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February 3, 1999

Mr. Brad Bradley
United States Environmental Protection Agency (SR-6J)
77 West Jackson Blvd.
Chicago, Illinois 60604

RE: Surface and Subsurface Characterization Draft Summary Maps and Data

Dear Mr. Bradley:

Please find enclosed one set of the initial maps generated summarizing the results of the surface and subsurface characterization for Site 2 and Site 3. Located on the maps are title boxes, which describe each map. Included you will find the following map/maps:

- Surface Asbestos Containing Material Locations for Sites 2 and 3;
- Soil Boring Locations for Sites 2 and 3;
- One set of maps showing asbestos content (1% or greater or less than 1%) at the three distinct subsurface intervals (0-1', 1-2' and 2-3') using solid and/or dashed circles for Sites 2 and 3;
- One set of maps showing the inferred areas of asbestos content (1% or greater or less than 1%) at the three distinct subsurface intervals (0-1', 1-2' and 2-3') using squares with differentiating patterns for Sites 2 and 3; and
- Composite overlay maps summarizing the three subsurface intervals (0-1', 1-2' and 2-3') for both asbestos content using solid and/or dashed circles and inferred areas of asbestos content using squares with differentiating patterns for Site 2 and 3.


Also included are spreadsheets that summarize all data generated during the surface and subsurface characterization for Sites 2 and 3. Included you will find the following information:

- Summary of Data – provides an overall summary of the data collected during the surface and subsurface characterization;
- Surface Characterization Data Sheets for Sites 2 and 3 – summarizes findings of the surface characterization;
- Subsurface Characterization Data Sheets for Sites 2 and 3 – summarizes findings of the subsurface characterization;
- Subsurface Characterization Bulk Asbestos Analyses Data for Sites 2 and 3– summarizes the results of all of the polarized light microscopy analyses; and
- Total Lead and TCLP Leachate Analyses Results – summarizes the findings of all total lead and TCLP Leachate analyses during the subsurface characterization at Site 2.

Please note that all materials included are in DRAFT form only. Once comments from all concerned parties have been discussed and reviewed regarding this information, a draft report will be submitted to each party.

If you have any questions or comments, please contact me at (847) 842-1882.

Sincerely,

A handwritten signature in black ink, appearing to read "Jeff Stringer". The signature is stylized with a large, sweeping "J" and "S".

Jeff Stringer
Project Manager

**SUMMARY OF DATA
SURFACE AND SUBSURFACE CHARACTERIZATION
SITE 2 AND SITE 3
JOHNS MANVILLE MANUFACTURING FACILITY-WAUKEGAN, ILLNOIS**

Surface Characterization - Site 2

Total number of locations where surface ACM (whether an ACM fragment or a cluster of fragments) was located...	84
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- Fragment and fragment clusters were distributed throughout the surface of Site 2. Exceptions included the far east end of the Site (beachfront and beach proper), the far southeast end of the Site (not located within the Commonwealth Edison fishing pier area) and the parking area for the Commonwealth Edison fishing pier where little to no ACM was observed. Denser concentrations of surface ACM were observed west of the parking lot and adjacent to the Commonwealth Edison outfall at the southeast corner of the Site.

Surface Characterization - Site 3

Total number of locations where surface ACM (whether an ACM fragment or a cluster of fragments) was located...	74
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- Fragment and fragment clusters were distributed throughout the surface of Site 3 with the exception of the south central end of the property along the southern boundary line of the Surface Characterization Study Area where little to no ACM was observed.

Subsurface Characterization - Site 2

Total number of soil boring locations where soil was collected for ACM inspection...	64
Total number of soil boring locations re-penetrated because of two or more feet of the sample core contained no recovery (i.e., REDOs) (B-54 was counted as a REDO twice)...	7
Total number of four-foot cores penetrated and inspected regardless of the amount of recovery...	71
Of the four-foot soil cores inspected, how many had <u>visible</u> ACM identified in at least one of the one-foot intervals (includes the initial cores where there were two feet of no recovery plus all accompanying REDOs which totals 71 cores)...	28 or 39.4%

FIELD INSPECTIONS

Total number of one-foot intervals field inspected for ACM (including all one-foot intervals where the four-foot soil core contained two feet of no recovery plus all REDOs...	206
Total number of one-foot intervals where ACM was visually identified (including all one-foot intervals where the four-foot soil core contained two feet of no recovery plus all REDOs which yields a total of 206 one-foot intervals)...	36 or 17.4%

SPECIFIC INTERVAL DESCRIPTIONS

Total number of times when ACM was visually identified in the field at the 0-1' interval with a total of (71) 0-1' intervals recovered and inspected including REDO's...	4 or 5.6%
Total number of times when ACM was visually identified in the field at the 1-2' interval with a total of (71) 1-2' intervals recovered and inspected including REDO's ...	15 or 21.1%
Total number of times when ACM was visually identified in the field at the 2-3' interval with a total of (64) 2-3' intervals recovered and inspected including REDO's ...	17 or 26.5%

POLARIZED LIGHT MICROSCOPY ANALYSIS

Total number of one-foot intervals submitted for Polarized Light Microscopy (PLM) analysis (includes all REDOs)...	162
Total number of one-foot intervals submitted for Polarized Light Microscopy (PLM) analysis where no ACM was observed in the field during the soil core inspection (includes all REDOs)...	126
Of the total number of one-foot intervals submitted for PLM analysis where no ACM was observed in the field during the soil core inspection (which yields a total of 126 one-foot intervals), how many contained some form of asbestos at any quantity (includes all REDOs)...	14 or 11.1%
Of the total number of one-foot intervals submitted for PLM analysis where no ACM was observed in the field during the soil core inspection and contained some form of asbestos at any quantity (which yields a total of 14 one-foot intervals), how many contained an asbestos content of 1% or greater...	2 or 14.2%
Total number of one-foot intervals submitted for PLM analysis where ACM was observed in the field during the soil core inspection (includes all REDOs)...	36
Of the total number of one-foot intervals submitted for PLM analysis where ACM was observed in the field during the soil core inspection (which yields a total of 36 one-foot intervals), how many contained some form of asbestos at any quantity (includes all REDOs)...	35 or 97.2%
Of the total number of one-foot intervals submitted for PLM analysis where ACM was observed in the field during the soil core inspection and contained some form of asbestos at any quantity (which yields a total of 35 one-foot intervals), how many contained an asbestos content of 1% or greater...	28 or 80%
Total number of times when ACM was identified at any quantity, during PLM analysis, at the 0-1' interval (includes all one-foot intervals submitted for analysis where ACM was observed in the field and not observed in the field during the soil core inspection plus REDOs which yields a total of (47) 0-1' intervals)...	7 or 14.8%

Of the total number of times when ACM was identified at any quantity, during PLM analysis, at the 0-1' interval (includes all one-foot intervals submitted for analysis where ACM was observed in the field and not observed in the field during the soil core inspection plus REDOs, how many contained an asbestos content of 1% or greater ...	4 or 57.1%
Total number of times when ACM was identified at any quantity, during PLM analysis, at the 1-2' interval (includes all one-foot intervals submitted for analysis where ACM was observed in the field and not observed in the field during the soil core inspection plus REDOs which yields a total of (59) 1-2' intervals)...	20 or 33.8%
Of the total number of times when ACM was identified at any quantity, during PLM analysis, at the 1-2' interval (includes all one-foot intervals submitted for analysis where ACM was observed in the field and not observed in the field during the soil core inspection plus REDOs, how many contained an asbestos content of 1% or greater...	12 or 60.0%
Total number of times when ACM was identified at any quantity, during PLM analysis, at the 2-3' interval (includes all one-foot intervals submitted for analysis where ACM was observed in the field and not observed in the field during the soil core inspection plus REDOs which yields a total of (56) 2-3' intervals)...	22 or 39.2%
Of the total number of times when ACM was identified at any quantity, during PLM analysis, at the 2-3' interval (includes all one-foot intervals submitted for analysis where ACM was observed in the field and not observed in the field during the soil core inspection plus REDOs, how many contained an asbestos of 1% or greater ...	14 or 63.6%

COMPOSITE SAMPLES

Total number of soil boring locations where a soil core was composited to either 5 or 6 feet...	19
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Subsurface Characterization - Site 3

Total number of soil boring locations where soil was collected for ACM inspection...	48
Total number of soil boring locations re-penetrated because of two or more feet of the sample core contained no recovery (i.e., REDOs)...	12
Total number of four-foot cores penetrated and inspected regardless of the amount of recovery...	60
Of the four-foot soil cores inspected, how many had <u>visible</u> ACM identified in at least one of the one-foot intervals (includes the initial cores where there were two feet of no recovery plus all accompanying REDOs which totals 60 cores)...	8 or 13.3%

FIELD INSPECTIONS

Total number of one-foot intervals field inspected for ACM (including all one-foot intervals where the four-foot soil core contained two feet of no recovery plus all REDOs)...	168
Total number of one-foot intervals where ACM was visually identified (including all one-foot intervals where the four-foot soil core contained two feet of no recovery plus all REDOs which yields a total of 168 one-foot intervals)...	11 or 6.5%

SPECIFIC INTERVAL DESCRIPTIONS

Total number of times when ACM was visually identified in the field at the 0-1' interval with a total of (60) 0-1' intervals recovered and inspected including REDOs...	3 or 5.0%
Total number of times when ACM was visually identified in the field at the 1-2' interval with a total of (60) 1-2' intervals recovered and inspected including REDOs ...	4 or 6.6%
Total number of times when ACM was visually identified in the field at the 2-3' interval with a total of (48) 2-3' intervals recovered and inspected including REDOs ...	4 or 8.3%

POLARIZED LIGHT MICROSCOPY ANALYSIS

Total number of one-foot intervals submitted for PLM analysis (includes all REDOs)...	154
Total number of one-foot intervals submitted for PLM analysis where no ACM was observed in the field during the soil core inspection (includes all REDOs)...	143
Of the total number of one-foot intervals submitted for PLM analysis where no ACM was observed in the field during the soil core inspection (which yields a total of 143 one-foot intervals), how many contained some form of asbestos at any quantity (includes all REDOs)...	12 or 8.3%
Of the total number of one-foot intervals submitted for PLM analysis where no ACM was observed in the field during the soil core inspection and contained some form of asbestos at any quantity (which yields a total of 12 one-foot intervals), how many contained an asbestos content of 1% or greater ...	3 or 25%
Total number of one-foot intervals submitted for PLM analysis where ACM was observed in the field during the soil core inspection (includes all REDOs)...	11
Of the total number of one-foot intervals submitted for PLM analysis where ACM was observed in the field during the soil core inspection (which yields a total of 11 one-foot intervals), how many contained some form of asbestos at any quantity (includes all REDOs)...	11 or 100%

Of the total number of one-foot intervals submitted for PLM analysis where ACM was observed in the field during the soil core inspection and contained some form of asbestos at any quantity (which yields a total of 10 one-foot intervals), how many contained an asbestos content of 1% or greater...	10 or 90.9%
Total number of times when ACM was identified at any quantity, during PLM analysis, at the 0-1' interval (includes all one-foot intervals submitted for analysis where ACM was observed in the field and not observed in the field during the soil core inspection plus REDOs which yields a total of (54) 0-1' intervals)...	7 or 12.9%
Of the total number of times when ACM was identified at any quantity, during PLM analysis, at the 0-1' interval (includes all one-foot intervals submitted for analysis where ACM was observed in the field and not observed in the field during the soil core inspection plus REDOs, how many contained an asbestos content of 1% or greater...	5 or 71.4%
Total number of times when ACM was identified at any quantity, during PLM analysis, at the 1-2' interval (includes all one-foot intervals submitted for analysis where ACM was observed in the field and not observed in the field during the soil core inspection plus REDOs which yields a total of (56) 1-2' intervals)...	9 or 16.0%
Of the total number of times when ACM was identified at any quantity, during PLM analysis, at the 1-2' interval (includes all one-foot intervals submitted for analysis where ACM was observed in the field and not observed in the field during the soil core inspection plus REDOs, how many contained an asbestos content of 1% or greater ...	5 or 55.5%
Total number of times when ACM was identified at any quantity, during PLM analysis, at the 2-3' interval (includes all one-foot intervals submitted for analysis where ACM was observed in the field and not observed in the field during the soil core inspection plus REDOs which yields a total of (44) 2-3' intervals)...	7 or 15.9%
Of the total number of times when ACM was identified at any quantity, during PLM analysis, at the 2-3' interval (includes all one-foot intervals submitted for analysis where ACM was observed in the field and not observed in the field during the soil core inspection plus REDOs, how many contained an asbestos content of 1% or greater ...	3 or 42.8%

COMPOSITE SAMPLES

Total number of soil boring locations where a soil core was composited to either 5 or 6 feet...	10
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Surface Characterization Data Sheet - Site 2
Johns Manville Manufacturing Facility - Waukegan, Illinois
ELM Consulting Project Number - 98000701

DRAFT

DATE	PERSONNEL	ID NUMBER	"SITE" AT WHICH ACM WAS FOUND (SITE 2 OR SITE 3)	FRAGMENT	CLUSTER	*SIZE OF ACM FRAGMENT/ CLUSTER	TYPE OF ACM FRAGMENT/CLUSTER (transite, insulation, roofing materials, etc.)	GENERAL LOCATION OF ACM FRAGMENT/CLUSTER
12/2/98	JJS/RJB	2-1	2		X	2"x1"	Transite Pipe	Far north end of the concrete pad of the former shooting range building.
12/2/98	JJS/RJB	2-2	2		X	1"x1"	Transite Pipe	Far south end of concrete pad of former shooting range building adjacent to ComEd's east-west fence line.
12/2/98	JJS/RJB	2-3	2		X	1"x1"	Transite Pipe	Middle of the concrete pad of the former shooting range building on the SE side.
12/2/98	JJS/RJB	2-4	2		X	1"x1"	Transite Pipe	Middle of the concrete pad of the former shooting range building on the southeast side.
12/2/98	JJS/RJB	2-5	2		X	2"x2"	Flashing Material/Roofing Material	Approximately 40 feet NW of the big tree on the north end of Site 2.
12/2/98	JJS/RJB	2-6	2		X	2"x1"	Transite Pipe	Approximately 50 feet east of the concrete pad of the former shooting range building towards the south side of Site 2.
12/2/98	JJS/RJB	2-7	2		X	2"x2"	Transite Pipe	Approximately 25 feet east of the concrete pad of the former shooting range building towards the north side of Site 2.
12/2/98	JJS/RJB	2-8	2		X	1"x1"	Transite Pipe	Approximately 50 feet east of the concrete pad of the former shooting range building in the middle of Site 2.
12/2/98	JJS/RJB	2-9	2	X		1"x1"	Transite Pipe	Approximately 30 feet south of JM's east-west fence line on the gravel road that leads to the fishing pier; approximately 35 feet NE of the concrete pad of the former shooting range building.
12/2/98	JJS/RJB	2-10	2		X	1"x1"	Transite Pipe	Approximately 30 feet south of JM's east-west fence line on the gravel road that leads to the fishing pier; somewhat even with the big tree but 20 feet west.
12/2/98	JJS/RJB	2-11	2	X		2"x2"	Tar Paper	Approximately 1 foot south of JM's east-west fence line; somewhat even with the big tree but 10 feet west.
12/2/98	JJS/RJB	2-12	2		X	1"x1"	Roofing Material	Approximately 3 feet south of JM's east-west fence line on the northern end of the parcel.
12/2/98	JJS/RJB	2-13	2		X	2"x1"	Roofing Material	Approximately 5 feet west of JM's north-south fence line on the northern end of the parcel.
12/2/98	JJS/RJB	2-14	2	X		1"x1"	Tar Paper	Approximately 4 feet south of JM's east-west fence line directly across from the fishing pier parking entrance.
12/2/98	JJS/RJB	2-15	2	X		1"x1"	Roofing Material	Approximately 10 feet east of ComEd's north-south fence line; approximately 15 feet south of JM's east-west fence line on NW end of the parcel.
12/3/98	JJS/TF/RP	2-16	2		X	4"x4"	Roofing Material	West end of parcel; approximately 15 feet east of ComEd's north-south fence line.

* = If a cluster of ACM fragments was located, the "size of the ACM fragment/cluster" represents the size of the largest piece found in the cluster.

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Johns Manville Manufacturing Facility - Waukegan, Illinois
ELM Consulting Project Number - 98000701

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DATE	PERSONNEL	ID NUMBER	"SITE" AT WHICH ACM WAS FOUND (SITE 2 OR SITE 3)	FRAGMENT	CLUSTER	*SIZE OF ACM FRAGMENT/ CLUSTER	TYPE OF ACM FRAGMENT/CLUSTER (transite, insulation, roofing materials, etc.)	GENERAL LOCATION OF ACM FRAGMENT/CLUSTER
12/3/98	JJS/TF/RP	2-17	2		X	1"X1"	Transite Pipe	West end of parcel; approximately 40 feet east of ComEd's north-south fence line.
12/3/98	JJS/TF/RP	2-18	2		X	3"X2"	Transite Pipe	SW end of parcel; approximately 10 feet north of ComEd's east-west fence line.
12/3/98	JJS/TF/RP	2-19	2		X	6"X6"	Roofing Material	SW end of parcel; approximately 15 feet north of ComEd's east-west fence line.
12/3/98	JJS/TF/RP	2-20	2	X		2"X1"	Tar Paper	Inside the former race track loop on the NW corner.
12/3/98	JJS/TF/RP	2-21	2		X	1"X1"	Tar Paper	Approximately 20 feet east of the concrete pad of the former shooting range building; approximately 2 feet north of ComEd's east-west fence line.
12/3/98	JJS/TF/RP	2-22	2		X	2"X2"	Tar Paper	Middle of Site 2; east of the concrete pad of the former shooting range building; north end of Site 2.
12/3/98	JJS/TF/RP	2-23	2		X	1"X1"	Transite Pipe	Middle of Site 2; approximately 15 feet north of ComEd's east-west fence line.
12/3/98	JJS/TF/RP	2-24	2		X	3"X3"	Transite Pipe	Middle of Site 2 between concrete pad of former shooting range building and big tree.
12/3/98	JJS/TF/RP	2-25	2		X	1"X1"	Tar Paper	Middle of Site 2; approximately 50 feet north of the big tree; approximately 20 feet south of the fishing pier dirt road.
12/3/98	JJS/TF/RP	2-26	2	X		3"X3"	Transite Pipe	Middle of Site 2; approximately 90 feet NE of the big tree; approximately 40 feet south of the fishing pier dirt road.
12/3/98	JJS/TF/RP	2-27	2		X	8"X3"	Roofing Material	Middle of Site 2 between the big tree and the fishing pier parking area.
12/3/98	JJS/TF/RP	2-28	2		X	4"X3"	Roofing Material	Middle of Site 2 between the big tree and the fishing pier parking area.
12/3/98	JJS/TF/RP	2-29	2		X	unknown- majority is buried	Roofing Material	Middle of Site 2; approximately 30 feet SW of purple loosestrife patch; approximately 30 feet north of ComEd's east-west fence line.
12/3/98	JJS/TF/RP	2-30	2		X	10"X4"	Roofing Material	Middle of Site 2; approximately 25 feet SE of Phragmites patch.
12/3/98	JJS/TF/RP	2-31	2		X	12"X6"	Tar Paper	Middle of Site 2; approximately 30 feet NW of purple loosestrife patch.
12/3/98	JJS/TF/RP	2-32	2		X	3"X3"	Transite Pipe; Tar Paper	Middle of Site 2; approximately 25 feet west of purple loosestrife patch.
12/3/98	JJS/TF/RP	2-33	2		X	8"X8"	Transite Pipe; Tar Paper	Middle of Site 2; approximately 10 feet NW of purple loosestrife patch.
12/3/98	JJS/TF/RP	2-34	2		X	8"X8"	Tar Paper	Middle of Site 2; approximately 10 feet NW of purple loosestrife patch.

* = If a cluster of ACM fragments was located, the "size of the ACM fragment/cluster" represents the size of the largest piece found in the cluster.

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Surface Characterization Data Sheet - Site 2
Johns Manville Manufacturing Facility - Waukegan, Illinois
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12/3/98	JJS/TF/RP	2-35	2		X	18"X10"	Roofing Material	Middle of Site 2; approximately 5 feet NW of purple loosestrife patch.
12/3/98	JJS/TF/RP	2-36	2		X	2'X3"	Tar Paper; Transite Pipe	Middle of Site 2; approximately 40 feet north of purple loosestrife patch.
12/3/98	JJS/TF/RP	2-37	2	X		unknown- majority is buried	Roofing Material	Within the purple loosestrife patch on the NW side.
12/3/98	JJS/TF/RP	2-38	2		X	2'X4"	Roofing Material	Middle of Site 2; approximately 10 feet west of fishing pier parking area; approximately 30 feet NE of purple loosestrife patch.
12/3/98	JJS/TF/RP	2-39	2		X	4"X2"	Roofing Material	Middle of Site 2; approximately 10 feet south of purple loosestrife patch; approximately 40 feet north of ComEd's east-west fence line.
12/4/98	JJS/TF/RP	2-40	2	X		2" in diameter	Tubing	Middle of Site 2; approximately 20 feet south and 10 east of fishing pier dirt road.
12/4/98	JJS/TF/RP	2-41	2	X		3"X3"	Tar Paper	Middle of Site 2; approximately 100 feet north of ComEd's east-west fence line.
12/4/98	JJS/TF/RP	2-42	2	X		6"X6"	Insulation	Middle of Site 2; approximately 10 feet south of fishing pier dirt road.
12/4/98	JJS/TF/RP	2-43	2	X		12"X12"	Tar Paper	Middle of Site 2; approximately 10 feet south of fishing pier dirt road.
12/4/98	JJS/TF/RP	2-44	2	X		unknown- majority is buried	Roofing Material	East side of Site 2; approximately 50 feet east of JM's north-south fence line; approximately 10 feet south of JM's east-west fence line.
12/4/98	JJS/TF/RP	2-45	2		X	12"X10"	Transite Pipe; Roofing Material	East side of Site 2; approximately 50 feet south of JM's east-west fence line; approximately 100 feet west of the beach.
12/4/98	JJS/TF/RP	2-46	2		X	8"X4"	Transite Pipe	East side of Site 2; approximately 35 feet south of JM's east-west fence line.
12/4/98	JJS/TF/RP	2-47	2		X	3"X3"	Transite Pipe	East side of Site 2; approximately 50 feet south of JM's east-west fence line.
12/4/98	JJS/TF/RP	2-48	2		X	1"X1"	Tar Paper	East side of Site 2; approximately 35 feet south of JM's east-west fence line.
12/4/98	JJS/TF/RP	2-49	2		X	2"X2"	Transite Pipe; Tar Paper	East side of Site 2; approximately 40 feet south of JM's east-west fence line.
12/4/98	JJS/TF/RP	2-50	2		X	2"X2"	Transite Pipe; Roofing Material	East side of Site 2; approximately 100 feet south of JM's east-west fence line.
12/4/98	JJS/TF/RP	2-51	2		X	8"X3"	Transite Pipe; Roofing Material	East side of Site 2; approximately 100 feet south of JM's east-west fence line.

* = If a cluster of ACM fragments was located, the "size of the ACM fragment/cluster" represents the size of the largest piece found in the cluster.

Surface Characterization Data Sheet - Site 2
Johns Manville Manufacturing Facility - Waukegan, Illinois
ELM Consulting Project Number - 98000701

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DATE	PERSONNEL	ID NUMBER	"SITE" AT WHICH ACM WAS FOUND (SITE 2 OR SITE 3)	FRAGMENT	CLUSTER	*SIZE OF ACM FRAGMENT/ CLUSTER	TYPE OF ACM FRAGMENT/CLUSTER (transite, insulation, roofing materials, etc.)	GENERAL LOCATION OF ACM FRAGMENT/CLUSTER
12/4/98	JJS/TF/RP	2-52	2		X	4"X4"	Roofing Material	East side of Site 2; approximately 50 feet east of JM's north-south fence line.
12/4/98	JJS/TF/RP	2-53	2	X		1"X1"	Transite Pipe	East side of Site 2; approximately 50 feet east of JM's north-south fence line.
12/4/98	JJS/TF/RP	2-54	2		X	1"X1"	Transite Pipe	East side of Site 2 between JM's north-south fence line and the beach.
12/4/98	JJS/TF/RP	2-55	2		X	3"X2"	Transite Pipe	East side of Site 2; approximately 20 feet east of JM's north-south fence line.
12/4/98	JJS/TF/RP	2-56	2		X	2"X2"	Roofing Material	East side of Site 2 between JM's north-south fence line and the beach.
12/4/98	JJS/TF/RP	2-57	2	X		2"X2"	Insulation	East side of Site 2 between JM's north-south fence line and the beach.
12/4/98	JJS/TF/RP	2-58	2		X	3"X2"	Roofing Material	East side of Site 2 between JM's north-south fence line and the beach.
12/4/98	JJS/TF/RP	2-59	2	X		1"X1"	Transite Pipe	East side of Site 2; approximately 50 feet east of JM's north-south fence line.
12/4/98	JJS/TF/RP	2-60	2		X	1"X1"	Insulation	East side of Site 2; approximately 30 feet east of JM's north-south fence line.
12/4/98	JJS/TF/RP	2-61	2	X		1"X1"	Insulation	East side of Site 2; approximately 90 feet east of JM's north-south fence line.
12/4/98	JJS/TF/RP	2-62	2		X	6"X5"	Transite Pipe	SE end of Site 2 on the square granite stones; approximately 10 feet east of mulch path.
12/4/98	JJS/TF/RP	2-63	2	X		4"X2"	Transite Pipe	Middle of Site 2; approximately 40 feet west of JM's north-south fence line; along the curve of the far eastern portion of the dirt road of the fishing pier.
12/4/98	JJS/TF/RP	2-64	2		X	3"X2"	Transite Pipe	Middle of Site 2; approximately 20 feet west of JM's north-south fence line; along the curve of the far eastern portion of the dirt road of the fishing pier.
12/4/98	JJS/TF/RP	2-65	2	X		2"X2"	Transite Pipe	East side of Site 2; inside fishing pier area; approximately 10 feet SW of the mulch path.
12/4/98	JJS/TF/RP	2-66	2		X	6"X4"	Transite Pipe	East side of Site 2; inside fishing pier area; within sumac patch; adjacent to ComEd's outfall fence line.
12/4/98	JJS/TF/RP	2-67	2	X		12"X10"	Transite Pipe	East side of Site 2; inside fishing pier area; within sumac patch; adjacent to ComEd's outfall fence line.
12/4/98	JJS/TF/RP	2-68	2		X	12"X10"	Transite Pipe	East side of Site 2; inside fishing pier area; within sumac patch; adjacent to ComEd's outfall fence line.
12/4/98	JJS/TF/RP	2-69	2		X	7"X5"	Transite Pipe	East side of Site 2; inside fishing pier area; adjacent to outfall.
12/4/98	JJS/TF/RP	2-70	2	X		9"X8"	Transite Pipe	East side of Site 2; inside fishing pier area; adjacent and to the SE of the outfall fence line.

* = If a cluster of ACM fragments was located, the "size of the ACM fragment/cluster" represents the size of the largest piece found in the cluster.

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Surface Characterization Data Sheet - Site 2
Johns Manville Manufacturing Facility - Waukegan, Illinois
ELM Consulting Project Number - 98000701

DRAFT

DATE	PERSONNEL	ID NUMBER	"SITE" AT WHICH ACM WAS FOUND (SITE 2 OR SITE 3)	FRAGMENT	CLUSTER	*SIZE OF ACM FRAGMENT/ CLUSTER	TYPE OF ACM FRAGMENT/CLUSTER (transite, insulation, roofing materials, etc.)	GENERAL LOCATION OF ACM FRAGMENT/CLUSTER
12/4/98	JJS/TF/RP	2-71	2		X	3"X3"	Transite Pipe	East side of Site 2; inside fishing pier area.
12/4/98	JJS/TF/RP	2-72	2	X		12"X6"	Transite Pipe	East side of Site 2; inside fishing pier area; adjacent to outfall.
12/4/98	JJS/TF/RP	2-73	2	X		3"X2"	Transite Pipe	East side of Site 2; inside fishing pier area; east of sumac patch.
12/4/98	JJS/TF/RP	2-74	2		X	6"X4"	Transite Pipe	East side of Site 2; inside fishing pier area; east of sumac patch.
12/4/98	JJS/TF/RP	2-75	2		X	6"X4"	Transite Pipe	East side of Site 2; inside fishing pier area; east of sumac patch.
12/4/98	JJS/TF/RP	2-76	2		X	6"X4"	Transite Pipe	East side of Site 2; inside fishing pier area; east of sumac patch.
12/4/98	JJS/TF/RP	2-77	2		X	3"X2"	Transite Pipe; Roofing Material	East side of Site 2; inside fishing pier area; approximately 25 feet north of outfall.
12/4/98	JJS/TF/RP	2-78	2		X	6"X4"	Transite Pipe	East side of Site 2; inside fishing pier area; adjacent to outfall.
12/4/98	JJS/TF/RP	2-79	2		X	6"X4"	Insulation	East side of Site 2; inside fishing pier area; adjacent to outfall.
12/4/98	JJS/TF/RP	2-80	2	X		6"X4"	Transite Pipe	East side of Site 2; inside fishing pier area; adjacent to outfall.
12/4/98	JJS/TF/RP	2-81	2		X	6"X4"	Transite Pipe	East side of Site 2; inside fishing pier area; adjacent to outfall.
12/4/98	JJS/TF/RP	2-82	2		X	5"X7"	Transite Pipe	East side of Site 2; inside fishing pier area; adjacent to outfall.
12/4/98	JJS/TF/RP	2-83	2	X		8"X6"	Transite Pipe; Tar Paper	East side of Site 2; inside fishing pier area; adjacent to outfall.
12/4/98	JJS/TF/RP	2-84	2	X		8"X6"	Transite Pipe	East side of Site 2; inside fishing pier area; adjacent to outfall.

Total number of locations where surface ACM was located: 84

* = If a cluster of ACM fragments was located, the "size of the ACM fragment/cluster" represents the size of the largest piece found in the cluster.

Surface Characterization Data Sheet - Site 3
Johns Manville Manufacturing Facility -Waukegan, Illinois
ELM Consulting Project Number - 98000701

DRAFT

DATE	PERSONNEL	ID NUMBER	"SITE" AT WHICH ACM WAS FOUND (SITE 2 OR SITE 3)	FRAGMENT	CLUSTER	*SIZE OF ACM FRAGMENT/ CLUSTER	TYPE OF ACM FRAGMENT/CLUSTER (transite, insulation, roofing materials, etc.)	GENERAL LOCATION OF ACM FRAGMENT/CLUSTER
12/2/98	JJS/RJB	3-1	3	X		4"X4"	Transite Pipe	Adjacent to Greenwood Avenue; east side of manicured area.
12/2/98	JJS/RJB	3-2	3		X	6"X6"	Concrete	Adjacent to Greenwood Avenue; east side of manicured area.
12/2/98	JJS/RJB	3-3	3		X	6"X6"	Transite Pipe	Adjacent to Greenwood Avenue; east side of manicured area.
12/2/98	JJS/RJB	3-4	3		X	4"X4"	Transite Pipe	Adjacent to Greenwood Avenue; east side of manicured area.
12/2/98	JJS/RJB	3-5	3		X	6"X6"	Transite Pipe	Adjacent to Greenwood Avenue; east side of manicured area.
12/2/98	JJS/RJB	3-6	3		X	6"X6"	Transite Pipe; Felt Paper	Adjacent to Greenwood Avenue; east side of manicured area.
12/2/98	JJS/RJB	3-7	3		X	4"X4"	Transite Pipe	Adjacent to Greenwood Avenue; east side of manicured area.
12/2/98	JJS/RJB	3-8	3		X	Various	Transite Pipe	A 12'X12' square on the far east side of the manicured area.
12/2/98	JJS/RJB	3-9	3		X	12"X10"	Transite Pipe	Adjacent to cattails on the north side; NW end of parcel.
12/2/98	JJS/RJB	3-10	3		X	4"X4"	Transite Pipe	Adjacent to cattails on the north side; NW end of parcel.
12/2/98	JJS/RJB	3-11	3		X	4"X4"	Transite Pipe	Adjacent to cattails on the north side; NW end of parcel.
12/2/98	JJS/RJB	3-12	3	X		5"X5"	Tar Paper	Between cattails and manicured area on the NW end of the parcel.
12/2/98	JJS/RJB	3-13	3		X	8"X3"	Tar Paper	Between cattails and manicured area on the NW end of the parcel.
12/3/98	JJS/TF/RP	3-14	3		X	4"X2"	Transite Pipe	Approximately 20 feet south of cattails on NW portion of parcel.
12/3/98	JJS/TF/RP	3-15	3	X		2"X2"	Tar Paper	Approximately 15 feet south of cattails towards the middle of the parcel.
12/3/98	JJS/TF/RP	3-16	3	X		4"X2"	Transite Pipe	Approximately 20 feet south of cattails towards the middle of the parcel.
12/3/98	JJS/TF/RP	3-17	3		X	3"X3"	Transite Pipe	Middle of Site 3.
12/3/98	JJS/TF/RP	3-18	3		X	10"X6"	Transite Pipe	Middle of Site 3.
12/3/98	JJS/TF/RP	3-19	3		X	2"X2"	Transite Pipe	Middle of Site 3 approximately 70 feet west of dirt road.
12/3/98	JJS/TF/RP	3-20	3		X	3"X2"	Transite Pipe	Middle of Site 3 approximately 50 feet west of dirt road.
12/3/98	JJS/TF/RP	3-21	3		X	8"X6"	Transite Pipe	Middle of Site 3 approximately 30 feet west of dirt road.
12/3/98	JJS/TF/RP	3-22	3		X	18"X10"	Transite Pipe; Roofing Material; Tar Paper	Middle of Site 3; 10'X10' area adjacent and to the west of the dirt road.
12/3/98	JJS/TF/RP	3-23	3		X	5"X5"	Transite Pipe	Middle of Site 3.
12/3/98	JJS/TF/RP	3-24	3		X	10"X8"	Transite Pipe	Middle of Site 3; west side.
12/3/98	JJS/TF/RP	3-25	3					
12/3/98	JJS/TF/RP	3-26	3	X		8"X8"	Transite Pipe	Middle of Site 3; west side.
12/3/98	JJS/TF/RP	3-27	3		X	4"X1'	Transite Pipe	Middle of Site 3; west side.
12/3/98	JJS/TF/RP	3-28	3	X		2"X2"	Transite Pipe	Middle of Site 3; west side.
12/3/98	JJS/TF/RP	3-29	3		X	3"X3"	Transite Pipe	Middle of Site 3; west side.

* = If a cluster of ACM fragments was located, the "size of ACM fragment/cluster" represents the size of the largest piece found in the cluster.

Surface Characterization Data Sheet - Site 3
Johns Manville Manufacturing Facility -Waukegan, Illinois
ELM Consulting Project Number - 98000701

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DATE	PERSONNEL	ID NUMBER	"SITE" AT WHICH ACM WAS FOUND (SITE 2 OR SITE 3)	FRAGMENT	CLUSTER	*SIZE OF ACM FRAGMENT/ CLUSTER	TYPE OF ACM FRAGMENT/CLUSTER (transite, insulation, roofing materials, etc.)	GENERAL LOCATION OF ACM FRAGMENT/CLUSTER
12/3/98	JJS/TF/RP*	3-30	3		X	12"X8"	Transite Pipe	Middle of Site 3; west side.
12/3/98	JJS/TF/RP	3-31	3		X	6"X4"	Transite Pipe	Middle of Site 3.
12/3/98	JJS/TF/RP	3-32	3	X		4"X3"	Transite Pipe	Middle of Site 3.
12/3/98	JJS/TF/RP	3-33	3		X	4"X4"	Transite Pipe	Middle of Site 3.
12/3/98	JJS/TF/RP	3-34	3		X	2"X2"	Transite Pipe	Middle of Site 3.
12/3/98	JJS/TF/RP	3-35	3		X	1"X1"	Transite Pipe	Middle of Site 3.
12/3/98	JJS/TF/RP	3-36	3	X		6"X4"	Transite Pipe	Middle of Site 3.
12/3/98	JJS/TF/RP	3-37	3		X	18"X8"	Transite Pipe	Middle of Site 3.
12/3/98	JJS/TF/RP	3-38	3		X	6"X4"	Transite Pipe	Middle of Site 3.
12/3/98	JJS/TF/RP	3-39	3		X	6"X4"	Transite Pipe	Middle of Site 3.
12/3/98	JJS/TF/RP	3-40	3		X	8"X6"	Transite Pipe	Middle of Site 3.
12/3/98	JJS/TF/RP	3-41	3		X	18" in diameter X 3' long	Transite Pipe	Middle of Site 3; 10 feet west of dirt road. This is the size of the exposed pipe. The true size is unknown because the pipe continues below grade.
12/3/98	JJS/TF/RP	3-42	3		X	4"X4"	Transite Pipe	Middle of Site 3.
12/3/98	JJS/TF/RP	3-43	3	X		8"X3"	Transite Pipe	Middle of Site 3.
12/3/98	JJS/TF/RP	3-44	3		X	6"X4"	Transite Pipe	Middle of Site 3.
12/3/98	JJS/TF/RP	3-45	3		X	4"X2"	Flash Paper; Transite Pipe	SW corner of parcel.
12/3/98	JJS/TF/RP	3-46	3	X		3"X3"	Transite Pipe	SW corner of parcel.
12/3/98	JJS/TF/RP	3-47	3		X	3"X3"	Tar Paper	SW corner of parcel.
12/3/98	JJS/TF/RP	3-48	3		X	5"X3"	Tar Paper	SW corner of parcel; approximately 20 feet north of the southern boundary line.
12/3/98	JJS/TF/RP	3-49	3		X	4"X2"	Transite Pipe	Middle of Site 3; north of the southern boundary line.
12/3/98	JJS/TF/RP	3-50	3		X	3"X2"	Transite Pipe	Middle of Site 3; approximately 20 feet north of southern boundary.
12/3/98	JJS/TF/RP	3-51	3		X	4"X3"	Transite Pipe	Middle of Site 3; approximately 30 feet north of southern boundary.
12/3/98	JJS/TF/RP	3-52	3		X	2"X2"	Transite Pipe	Along the dirt road outside SW boundary line.
12/3/98	JJS/TF/RP	3-53	3		X	3"X3"	Transite Pipe	Along the dirt road outside SW boundary line.
12/3/98	JJS/TF/RP	3-54	3		X	12"X8"	Transite Pipe	Along the dirt road outside SW boundary line.
12/3/98	JJS/TF/RP	3-55	3		X	4"X3"	Transite Pipe	Along the dirt road outside SW boundary line.
12/3/98	JJS/TF/RP	3-56	3		X	4"X3"	Transite Pipe	Along the dirt road outside SW boundary line.
12/3/98	JJS/TF/RP	3-57	3		X	3"X3"	Transite Pipe	Along the dirt road outside SW boundary line.
12/3/98	JJS/TF/RP	3-58	3		X	3"X2"	Transite Pipe	SW corner of parcel.

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Surface Characterization Data Sheet - Site 3
Johns Manville Manufacturing Facility -Waukegan, Illinois
ELM Consulting Project Number - 98000701

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DATE	PERSONNEL	ID NUMBER	"SITE" AT WHICH ACM WAS FOUND (SITE 2 OR SITE 3)	FRAGMENT	CLUSTER	*SIZE OF ACM FRAGMENT/ CLUSTER	TYPE OF ACM FRAGMENT/CLUSTER (transite, insulation, roofing materials, etc.)	GENERAL LOCATION OF ACM FRAGMENT/CLUSTER
12/3/98	JJS/TF/RP	3-59	3		X	4"X4"	Tar Paper	Middle of Site 3; approximately 30 feet north of southern boundary.
12/3/98	JJS/TF/RP	3-60	3	X		4"X2"	Transite Pipe	Middle of the parcel; approximately 30 feet west of the dirt road.
12/4/98	JJS/TF/RP	3-61	3		X	6" in diameter X 4' long	Transite Pipe	East side of Site 3; approximately 20 feet south of the parking area; approximately 20 feet east of the dirt road.
12/4/98	JJS/TF/RP	3-62	3		X	5"X2"	Transite Pipe	East side of Site 3; approximately 5 feet south of the parking area.
12/4/98	JJS/TF/RP	3-63	3		X	6"X6"	Transite Pipe	East side of Site 3; approximately 32 feet south of the parking area.
12/4/98	JJS/TF/RP	3-64	3		X	4"X3"	Transite Pipe; Roofing Material	East side of Site 3; approximately 5 feet south of the parking area.
12/4/98	JJS/TF/RP	3-65	3		X	8"X3"	Transite Pipe	East side of Site 3; approximately 27 feet south of Greenwood Ave; approximately 45 feet west of the train tracks.
12/4/98	JJS/TF/RP	3-66	3		X	6"X2"	Transite Pipe	East side of Site 3; approximately 15 feet south of Greenwood Ave; approximately 40 feet west of the train tracks.
12/4/98	JJS/TF/RP	3-67	3		X	6"X2"	Transite Pipe; Roofing Material	East side of Site 3; approximately 10 feet south of Greenwood Ave.
12/4/98	JJS/TF/RP	3-68	3		X	3"X3"	Insulation	East side of Site 3; approximately 60 feet south of Greenwood Ave; approximately 20 feet west of the train tracks.
12/4/98	JJS/TF/RP	3-69	3		X	2"X2"	Transite Pipe	SE corner of Site 3 along the dirt road; approximately 60 feet south of the electrical transmission tower.
12/4/98	JJS/TF/RP	3-70	3		X	1"X1"	Transite Pipe	SE corner of Site 3 along the dirt road; approximately 20 feet south of the electrical transmission tower.
12/4/98	JJS/TF/RP	3-71	3		X	1"X1"	Transite Pipe	East side of Site 3 along the dirt road; approximately 5 feet SW of the electrical transmission tower.
12/4/98	JJS/TF/RP	3-72	3		X	2"X4'	Tar Paper	East side of Site 3; approximately 50 feet NE of electrical transmission tower; approximately 20 feet west of the train tracks.
12/4/98	JJS/TF/RP	3-73	3		X	4"X2"	Transite Pipe	East side of Site 3; approximately 5 feet NW of electrical transmission tower along the dirt road.
12/4/98	JJS/TF/RP	3-74	3		X	4"X3"	Transite Pipe	East side of Site 3; approximately 40 feet NW of electrical transmission tower along the dirt road.
12/4/98	JJS/TF/RP	3-75	3		X	8"X4"	Insulation; Transite Pipe; Tar Paper	Encompasses all of the surface ACM located within the parking area of Site 3.

Total number of locations where surface ACM was located: 74

A shaded row denotes an ID Number that was not used during the surface characterization at Site 3 (only 3-25).

* = If a cluster of ACM fragments was located, the "size of ACM fragment/cluster" represents the size of the largest piece found in the cluster.

Subsurface Characterization Data Sheet - Site 2
Johns Manville Manufacturing Facility - Waukegan, Illinois
ELM Consulting Project Number - 98000701

DRAFT

DATE	PERSONNEL	SITE 2 OR SITE 3	BORING ID NUMBER	1 FOOT INTERVAL ID NUMBER	WAS ACM OBSERVED	TYPE OF ACM OBSERVED	WAS THERE EVIDENCE OF LEAD OBSERVED	DESCRIPTION OF LEAD OBSERVED	WAS MUNICIPAL WASTE OBSERVED	TYPE OF MUNICIPAL WASTE OBSERVED	COOLER	COMMENTS
12/10/98	JJS/RJB	2	B2-1	B2-1 (0-1')	NO	NA	NO	NA	NO	NA	3	2 feet of no recovery.
				B2-1 (1-2')	YES	<1/4"x1/4" raw material; multiple pieces	NO	NA	NO	NA		
12/11/98	JJS/RJB/DJB	2	B2-1 REDO	B2-1 (0-1')	NO	NA	NO	NA	NO	NA	3	1 foot of no recovery.
				B2-1 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-1 (2-3')	YES	1/4"x1/4" raw material; multiple pieces	NO	NA	NO	NA		
12/9/98	JJS/RJB	2	B2-2	B2-2 (0-1')	YES	1/4"x1/4" transite; multiple pieces	NO	NA	NO	NA	3	1 foot of no recovery.
				B2-2 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-2 (2-3')	NO	NA	NO	NA	NO	NA		
12/10/98	JJS/RJB	2	B2-3	B2-3 (0-1')	NO	NA	NO	NA	NO	NA	3	1 foot of no recovery.
				B2-3 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-3 (2-3')	NO	NA	NO	NA	NO	NA		
12/9/98	JJS/RJB	2	B2-4	B2-4 (0-1')	NO	NA	NO	NA	NO	NA	3	2 feet of no recovery.
				B2-4 (1-2')	YES	<1/8"x1/8" raw material; multiple pieces	NO	NA	NO	NA		
12/11/98	JJS/RJB/DJB	2	B2-4 REDO	B2-4 (0-1')	NO	NA	NO	NA	NO	NA	3	Full recovery.
				B2-4 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-4 (2-3')	NO	NA	NO	NA	NO	NA		
12/9/98	JJS/RJB	2	B2-5	B2-5 (0-1')	NO	NA	NO	NA	NO	NA	3	No marking on the street.
				B2-5 (1-2')	YES	<1/8"x1/8" raw material; multiple pieces	NO	NA	NO	NA		1 foot of no recovery.
				B2-5 (2-3')	YES	<1/8"x1/8" raw material; multiple pieces	NO	NA	NO	NA		
12/9/98	JJS/RJB	2	B2-6	B2-6 (0-1')	NO	NA	NO	NA	NO	NA	3	Full recovery.
				B2-6 (1-2')	YES	1/8"x1/8" raw material; multiple pieces	NO	NA	NO	NA		
				B2-6 (2-3')	YES	1/8"x1/8" raw material; multiple pieces	NO	NA	NO	NA		

Subsurface Characterization Data Sheet - Site 2
Johns Manville Manufacturing Facility - Waukegan, Illinois
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DATE	PERSONNEL	SITE 2 OR SITE 3	BORING ID NUMBER	1 FOOT INTERVAL ID NUMBER	WAS ACM OBSERVED	TYPE OF ACM OBSERVED	WAS THERE EVIDENCE OF LEAD OBSERVED	DESCRIPTION OF LEAD OBSERVED	WAS MUNICIPAL WASTE OBSERVED	TYPE OF MUNICIPAL WASTE OBSERVED	COOLER	COMMENTS
12/9/98	JJS/RJB	2	B2-7	B2-7 (0-1')	NO	NA	NO	NA	NO	NA	3	Full recovery.
				B2-7 (1-2')	YES	1/8"X1/8" raw material; multiple pieces	NO	NA	NO	NA		
				B2-7 (2-3')	NO	NA	NO	NA	NO	NA		
12/9/98	JJS/RJB	2	B2-8	B2-8 (0-1')	NO	NA	NO	NA	NO	NA	3	Full recovery.
				B2-8 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-8 (2-3')	YES	1/4"X1/4" raw material; multiple pieces	NO	NA	NO	NA		
12/9/98	JJS/RJB	2	B2-9	B2-9 (0-1')	YES	1/4"X1/4" tile; one piece	NO	NA	NO	NA	3	1 foot of no recovery.
				B2-9 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-9 (2-3')	NO	NA	NO	NA	NO	NA		
12/10/98	JJS/RJB	2	B2-10	B2-10 (0-1')	NO	NA	NO	NA	NO	NA	4	1 foot of no recovery.
				B2-10 (1-2')	YES	<1/4"X1/4" raw material; multiple pieces	NO	NA	NO	NA		
				B2-10 (2-3')	YES	<1/4"X1/4" raw material; multiple pieces	NO	NA	NO	NA		
12/10/98	JJS/RJB	2	B2-11	B2-11 (0-1')	NO	NA	NO	NA	NO	NA	4	1 foot of no recovery.
				B2-11 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-11 (2-3')	YES	<1/4"X1/4" raw material; multiple pieces	NO	NA	NO	NA		
12/10/98	JJS/RJB	2	B2-12	B2-12 (0-1')	NO	NA	NO	NA	NO	NA	4	1 foot of no recovery.
				B2-12 (1-2')	YES	1/4"X1/4" raw material; multiple pieces	NO	NA	NO	NA		
				B2-12 (2-3')	YES	1/4"X1/4" raw material; multiple pieces	NO	NA	NO	NA		
12/10/98	JJS/RJB	2	B2-13	B2-13 (0-1')	NO	NA	NO	NA	NO	NA	4	Full recovery.
				B2-13 (1-2')	YES	1/4"X1/4" raw material; multiple pieces	NO	NA	NO	NA		
				B2-13 (2-3')	YES	1/4"X1/4" raw material; multiple pieces	NO	NA	NO	NA		

Subsurface Characterization Data Sheet - Site 2
 Johns Manville Manufacturing Facility - Waukegan, Illinois
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DATE	PERSONNEL	SITE 2 OR SITE 3	BORING ID NUMBER	1 FOOT INTERVAL ID NUMBER	WAS ACM OBSERVED	TYPE OF ACM OBSERVED	WAS THERE EVIDENCE OF LEAD OBSERVED	DESCRIPTION OF LEAD OBSERVED	WAS MUNICIPAL WASTE OBSERVED	TYPE OF MUNICIPAL WASTE OBSERVED	COOLER	COMMENTS
12/10/98	JJS/RJB	2	B2-14	B2-14 (0-1')	NO	NA	NO	NA	NO	NA	4	1 foot of no recovery.
				B2-14 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-14 (2-3')	NO	NA	NO	NA	NO	NA		
12/9/98	JJS/RJB	2	B2-15	B2-15 (0-1')	NO	NA	NO	NA	NO	NA	4	1 foot of no recovery.
				B2-15 (1-2')	YES	1/4"X1/4" transite; multiple pieces	NO	NA	NO	NA		
				B2-15 (2-3')	NO	NA	NO	NA	NO	NA		
12/10/98	JJS/RJB	2	B2-16	B2-16 (0-1')	NO	NA	NO	NA	NO	NA	4	1 foot of no recovery.
				B2-16 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-16 (2-3')	NO	NA	NO	NA	NO	NA		
12/10/98	JJS/RJB	2	B2-17	B2-17 (0-1')	NO	NA	NO	NA	NO	NA	4	1 foot of no recovery.
				B2-17 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-17 (2-3')	YES	1/4"X1/4" raw material; multiple pieces	NO	NA	NO	NA		
12/10/98	JJS/RJB	2	B2-18	B2-18 (0-1')	NO	NA	NO	NA	NO	NA	4	1 foot of no recovery.
				B2-18 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-18 (2-3')	YES	<1/4"X1/4" raw material; multiple pieces	NO	NA	NO	NA		
12/10/98	JJS/RJB	2	B2-19	B2-19 (0-1')	NO	NA	NO	NA	NO	NA	4	Full recovery.
				B2-19 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-19 (2-3')	NO	NA	NO	NA	NO	NA		
12/10/98	JJS/RJB	2	B2-21	B2-21 (0-1')	NO	NA	NO	NA	NO	NA	4	Full recovery.
				B2-21 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-21 (2-3')	YES	1/4"X1/4" raw material; multiple pieces	NO	NA	NO	NA		
12/10/98	JJS/RJB	2	B2-22	B2-22 (0-1')	NO	NA	NO	NA	NO	NA	4	1 foot of no recovery.
				B2-22 (1-2')	YES	1/4"X1/4" raw material; multiple pieces	NO	NA	NO	NA		
				B2-22 (2-3')	YES	1/4"X1/4" roofing material	NO	NA	NO	NA		

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DATE	PERSONNEL	SITE 2 OR SITE 3	BORING ID NUMBER	1 FOOT INTERVAL ID NUMBER	WAS ACM OBSERVED	TYPE OF ACM OBSERVED	WAS THERE EVIDENCE OF LEAD OBSERVED	DESCRIPTION OF LEAD OBSERVED	WAS MUNICIPAL WASTE OBSERVED	TYPE OF MUNICIPAL WASTE OBSERVED	COOLER	COMMENTS
12/10/98	JJS/RJB	2	B2-23	B2-23 (0-1')	NO	NA	NO	NA	NO	NA	4	1 foot of no recovery.
				B2-23 (1-2')	YES	1/2"X1/2" transite; raw material multiple pieces	NO	NA	NO	NA		
				B2-23 (2-3')	NO	NA	NO	NA	NO	NA		
12/10/98	JJS/RJB	2	B2-25	B2-25 (0-1')	NO	NA	NO	NA	NO	NA	4	1 foot of no recovery.
				B2-25 (1-2')	YES	1/4"X1/4" raw material; multiple pieces	NO	NA	NO	NA		
				B2-25 (2-3')	YES	1/4"X1/4" gasket material; multiple pieces	NO	NA	NO	NA		
12/10/98	JJS/RJB	2	B2-26	B2-26 (0-1')	NO	NA	NO	NA	NO	NA	4	1 foot of no recovery.
				B2-26 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-26 (2-3')	YES	1/4"X1/4" gasket material; two pieces	NO	NA	NO	NA		
12/10/98	JJS/RJB	2	B2-27	B2-27 (0-1')	NO	NA	NO	NA	NO	NA	4	1 foot of no recovery. Bulk asbestos analysis performed on all three one foot intervals.
				B2-27 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-27 (2-3')	YES	1/4"X1/4" unknown	NO	NA	NO	NA		
12/10/98	JJS/RJB/DJB	2	B2-29	B2-29 (0-1')	NO	NA	NO	NA	NO	NA	4	Full recovery.
				B2-29 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-29 (2-3')	YES	1/4"X1/4" roofing material; multiple pieces	NO	NA	NO	NA		
12/10/98	JJS/RJB	2	B2-30	B2-30 (0-1')	NO	NA	NO	NA	NO	NA	4	1 foot of no recovery.
				B2-30 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-30 (2-3')	NO	NA	NO	NA	NO	NA		

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12/10/98	JJS/RJB	2	B2-31	B2-31 (0-1')	NO	NA	NO	NA	NO	NA	4	1 foot of no recovery.
				B2-31 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-31 (2-3')	NO	NA	NO	NA	NO	NA		
12/10/98	JJS/RJB	2	B2-33	B2-33 (0-1')	NO	NA	NO	NA	NO	NA	4	No marking on the street. Full recovery.
				B2-33 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-33 (2-3')	NO	NA	NO	NA	NO	NA		
12/10/98	JJS/RJB/DJB	2	B2-34	B2-34 (0-1')	NA	NA	NA	NA	NA	NA	4	1 foot of no recovery.
				B2-34 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-34 (2-3')	NO	NA	NO	NA	NO	NA		
12/10/98	JJS/RJB/DJB	2	B2-35	B2-35 (0-1')	NO	NA	NO	NA	NO	NA	4	1 foot of no recovery.
				B2-35 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-35 (2-3')	NO	NA	NO	NA	NO	NA		
12/11/98	JJS/RJB/DJB	2	B2-36	B2-36 (0-1')	NO	NA	NO	NA	NO	NA	5	Composite to 5'. 1 foot of no recovery.
				B2-36 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-36 (2-3')	NO	NA	NO	NA	NO	NA		
12/10/98	JJS/RJB	2	B2-37	B2-37 (0-1')	NO	NA	NO	NA	NO	NA	5	Full recovery.
				B2-37 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-37 (2-3')	NO	NA	NO	NA	NO	NA		
12/10/98	JJS/RJB	2	B2-38	B2-38 (0-1')	NO	NA	NO	NA	NO	NA	5	1 foot of no recovery.
				B2-38 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-38 (2-3')	NO	NA	NO	NA	NO	NA		
12/11/98	JJS/RJB/DJB	2	B2-40	B2-40 (0-1')	NO	NA	NO	NA	NO	NA	5	Composite to 5'. Full recovery.
				B2-40 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-40 (2-3')	NO	NA	NO	NA	NO	NA		
12/10/98	JJS/RJB	2	B2-41	B2-41 (0-1')	NO	NA	NO	NA	NO	NA	5	Full recovery.
				B2-41 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-41 (2-3')	NO	NA	NO	NA	NO	NA		

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12/10/98	JJS/RJB/DJB	2	B2-42	B2-42 (0-1')	NO	NA	NO	NA	NO	NA	5	1 foot of no recovery.
				B2-42 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-42 (2-3')	NO	NA	NO	NA	NO	NA		
12/10/98	JJS/RJB/DJB	2	B2-43	B2-43 (0-1')	NO	NA	NO	NA	NO	NA	5	A "REDO" sample was not conducted on this sampling location. 2 feet of no recovery.
			NO REDO	B2-43 (1-2')	NO	NA	NO	NA	NO	NA		
12/10/98	JJS/RJB	2	B2-45	B2-45 (0-1')	NO	NA	NO	NA	NO	NA	5	Full recovery.
				B2-45 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-45 (2-3')	YES	1/4"X1/4" raw material; multiple pieces	NO	NA	NO	NA		
12/10/98	JJS/RJB/DJB	2	B2-46	B2-46 (0-1')	NO	NA	NO	NA	NO	NA	5	1 foot of no recovery.
				B2-46 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-46 (2-3')	NO	NA	NO	NA	NO	NA		
12/10/98	JJS/RJB/DJB	2	B2-47	B2-47 (0-1')	NO	NA	NO	NA	NO	NA	5	There was approximately 1 1/2' of no recovery so the sample location was re-penetrated.
				B2-47 (1-2')	YES	1/2"X1/2" insulation; multiple pieces	NO	NA	NO	NA		
				B2-47 (2-3')	NO	NA	NO	NA	NO	NA		
12/11/98	JJS/RJB/DJB	2	B2-47 REDO	B2-47 (0-1')	NO	NA	NO	NA	NO	NA	5	Composite to 5'. 1 foot of no recovery.
				B2-47 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-47 (2-3')	NO	NA	NO	NA	NO	NA		
12/10/98	JJS/RJB/DJB	2	B2-49	B2-49 (0-1')	NO	NA	NO	NA	NO	NA	5	Full recovery.
				B2-49 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-49 (2-3')	NO	NA	NO	NA	NO	NA		
12/10/98	JJS/RJB/DJB	2	B2-50	B2-50 (0-1')	NO	NA	NO	NA	NO	NA	5	1 foot of no recovery.
				B2-50 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-50 (2-3')	NO	NA	NO	NA	NO	NA		

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12/10/98	JJS/RJB/DJB	2	B2-51	B2-51 (0-1')	NO	NA	NO	NA	NO	NA	5	1 foot of no recovery.
				B2-51 (1-2')	YES	1/4"X1/4" raw material; multiple pieces	NO	NA	NO	NA		
				B2-51 (2-3')	NO	NA	NO	NA	NO	NA		
12/10/98	JJS/RJB/DJB	2	B2-52	B2-52 (0-1')	NO	NA	NO	NA	NO	NA	5	There was approximately 1 1/2' of no recovery so the sample location was re-penetrated.
				B2-52 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-52 (2-3')	NO	NA	NO	NA	NO	NA		
12/11/98	JJS/RJB/DJB	2	B2-52 REDO	B2-52 (0-1')	NO	NA	NO	NA	NO	NA	5	Full recovery.
				B2-52 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-52 (2-3')	NO	NA	NO	NA	NO	NA		
12/10/98	JJS/RJB	2	B2-53	B2-53 (0-1')	YES	1/4"X1/4" raw material; multiple pieces	NO	NA	NO	NA	5	Full recovery.
				B2-53 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-53 (2-3')	NO	NA	NO	NA	NO	NA		
12/10/98	JJS/RJB/DJB	2	B2-54	B2-54 (0-1')	NO	NA	NO	NA	NO	NA	5	2 feet of no recovery.
				B2-54 (1-2')	NO	NA	NO	NA	NO	NA		
12/11/98	JJS/RJB/DJB	2	B2-54 REDO	B2-54 (0-1')	NO	NA	NO	NA	NO	NA	5	1 foot of no recovery.
				B2-54 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-54 (2-3')	NO	NA	NO	NA	NO	NA		
12/11/98	JJS/RJB/DJB	2	B2-54 REDO REDO	B2-54 (0-1')	YES	1/4"X1/4" transite; one piece	NO	NA	NO	NA	5	Composite to 5'. Full recovery.
				B2-54 (1-2')	YES	1/4"X1/4" raw material; multiple pieces	NO	NA	NO	NA		
				B2-54 (2-3')	NO	NA	NO	NA	NO	NA		
12/11/98	JJS/RJB/DJB	2	B2-56 NO REDO	B2-56 (0-1')	NO	NA	NO	NA	NO	NA	5	A "REDO" sample was not conducted on this sampling location. 2 feet of no recovery.
				B2-56 (1-2')	NO	NA	NO	NA	NO	NA		

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12/11/98	JJS/RJB/DJB	2	B2-59	B2-59 (0-1')	NO	NA	NO	NA	NO	NA	5	A "REDO" sample was not conducted on this sampling location. 2 feet of no recovery.
			NO REDO	B2-59 (1-2')	NO	NA	NO	NA	NO	NA		
12/11/98	JJS/RJB/DJB	2	B2-61	B2-61 (0-1')	NO	NA	NO	NA	NO	NA	5	Composite to 6'. 1 foot of no recovery.
				B2-61 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-61 (2-3')	NO	NA	NO	NA	NO	NA		
12/11/98	JJS/RJB/DJB	2	B2-62	B2-62 (0-1')	NO	NA	NO	NA	NO	NA	5	Composite to 6'. 1 foot of no recovery.
				B2-62 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-62 (2-3')	NO	NA	NO	NA	NO	NA		
12/11/98	JJS/RJB/DJB	2	B2-63	B2-63 (0-1')	NO	NA	NO	NA	NO	NA	5	Composite to 6'. 1 foot of no recovery.
				B2-63 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-63 (2-3')	NO	NA	NO	NA	NO	NA		
12/11/98	JJS/RJB/DJB	2	B2-64	B2-64 (0-1')	NO	NA	NO	NA	NO	NA	5	Composite to 6'. 1 foot of no recovery.
				B2-64 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-64 (2-3')	NO	NA	NO	NA	NO	NA		

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12/10/98	JJS/RJB/DJB	2	B2-69	B2-69 (0-1')	NO	NA	NO	NA	NO	NA	5	2 feet of no recovery.
				B2-69 (1-2')	NO	NA	NO	NA	NO	NA		
12/11/98	JJS/RJB/DJB	2	B2-69 REDO	B2-69 (0-1')	NO	NA	NO	NA	NO	NA	5	Composite to 6'. 1 foot of no recovery.
				B2-69 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-69 (2-3')	NO	NA	NO	NA	NO	NA		
12/11/98	JJS/RJB/DJB	2	B2-70	B2-70 (0-1')	NO	NA	NO	NA	NO	NA	5	Composite to 5'. 1 foot of no recovery.
				B2-70 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-70 (2-3')	NO	NA	NO	NA	NO	NA		
12/11/98	JJS/RJB/DJB	2	B2-71	B2-71 (0-1')	NO	NA	NO	NA	NO	NA	5	Composite to 5'. 1 foot of no recovery.
				B2-71 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-71 (2-3')	NO	NA	NO	NA	NO	NA		
12/11/98	JJS/RJB/DJB	2	B2-72	B2-72 (0-1')	NO	NA	NO	NA	NO	NA	5	Composite to 6'. 1 foot of no recovery.
				B2-72 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-72 (2-3')	NO	NA	NO	NA	NO	NA		
12/11/98	JJS/RJB/DJB	2	B2-75	B2-75 (0-1')	NO	NA	NO	NA	NO	NA	5	Composite to 5'. Full recovery.
				B2-75 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-75 (2-3')	NO	NA	NO	NA	NO	NA		
12/11/98	JJS/RJB/DJB	2	B2-76	B2-76 (0-1')	NO	NA	NO	NA	NO	NA	5	Composite to 5'. Full recovery. (0-1') should have been submitted for bulk asbestos analysis and was not.
				B2-76 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-76 (2-3')	NO	NA	NO	NA	NO	NA		

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12/11/98	JJS/RJB/DJB	2	B2-77	B2-77 (0-1')	NO	NA	NO	NA	NO	NA	5	Composite to 5'. Full recovery.
				B2-77 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-77 (2-3')	NO	NA	NO	NA	NO	NA		
12/11/98	JJS/RJB/DJB	2	B2-78	B2-78 (0-1')	NO	NA	NO	NA	NO	NA	5	Composite to 6'. Full recovery.
				B2-78 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-78 (2-3')	NO	NA	NO	NA	NO	NA		
12/11/98	JJS/RJB/DJB	2	B2-79	B2-79 (0-1')	NO	NA	NO	NA	NO	NA	5	Composite to 6'. Full recovery.
				B2-79 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-79 (2-3')	NO	NA	NO	NA	NO	NA		
12/14/98	JJS/RJB/DJB	2	B2-80	B2-80 (0-1')	NO	NA	NO	NA	NO	NA	5	Composite to 6'. 1 foot of no recovery.
				B2-80 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-80 (2-3')	NO	NA	NO	NA	NO	NA		
12/14/98	JJS/RJB/DJB	2	B2-81	B2-81 (0-1')	NO	NA	NO	NA	NO	NA	5	Composite to 6'. Full recovery.
				B2-81 (1-2')	NO	NA	NO	NA	NO	NA		
				B2-81 (2-3')	NO	NA	NO	NA	NO	NA		

DESCRIPTIONS:

NA = Not Applicable.

REDO = Represents a location that was re-penetrated because the first four-foot sampling core yielded two feet of recovery or less.

REDO REDO = Represents a boring location that was re-penetrated two times (only B2-54).

NO REDO = Represents a boring location that should have been re-penetrated because the first four-foot sampling core yielded two feet of recovery or less.

COOLER = The "COOLER" column represents the cooler which a given one-foot soil interval was placed for storage purposes.

Composite to 5' = The GeoProbe sampling apparatus penetrated to five feet with a four-foot sampling core to obtain at least a three-foot soil sample.

Composite to 6' = The GeoProbe sampling apparatus penetrated to six feet with a four-foot sampling core to obtain at least a three-foot soil sample.

A SHADED ROW represents a proposed boring location that was not penetrated to obtain a soil sample.

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12/9/98	JJS/RJB	3	B3-1	B3-1 (0-1')	NO	NA	1	2 feet of no recovery.
				B3-1 (1-2')	NO	NA		
12/14/98	JJS/RJB	3	B3-1 REDO	B3-1 (0-1')	NO	NA	1	1 foot of no recovery.
				B3-1 (1-2')	NO	NA		
				B3-1 (2-3')	NO	NA		
12/9/98	JJS/RJB	3	B3-2	B3-2 (0-1')	NO	NA	1	1 foot of no recovery.
				B3-2 (1-2')	NO	NA		
				B3-2 (2-3')	NO	NA		
12/9/98	JJS/RJB	3	B3-3	B3-3 (0-1')	NO	NA	1	1 foot of no recovery.
				B3-3 (1-2')	NO	NA		
				B3-3 (2-3')	NO	NA		
12/9/98	JJS/RJB	3	B3-4	B3-4 (0-1')	NO	NA	1	2 feet of no recovery.
				B3-4 (1-2')	NO	NA		
12/14/98	JJS/RJB	3	B3-4 REDO	B3-4 (0-1')	NO	NA	1	Composite to 6'. Full recovery.
				B3-4 (1-2')	NO	NA		
				B3-4 (2-3')	NO	NA		
12/9/98	JJS/RJB	3	B3-5	B3-5 (0-1')	NO	NA	1	1 foot of no recovery.
				B3-5 (1-2')	NO	NA		
				B3-5 (2-3')	NO	NA		
12/9/98	JJS/RJB	3	B3-6	B3-6 (0-1')	NO	NA	1	1 foot of no recovery.
				B3-6 (1-2')	NO	NA		
				B3-6 (2-3')	NO	NA		
12/9/98	JJS/RJB	3	B3-7	B3-7 (0-1')	NO	NA	1	1 foot of no recovery.
				B3-7 (1-2')	NO	NA		
				B3-7 (2-3')	NO	NA		
12/9/98	JJS/RJB	3	B3-8	B3-8 (0-1')	NO	NA	1	1 foot of no recovery.
				B3-8 (1-2')	NO	NA		
				B3-8 (2-3')	NO	NA		
12/9/98	JJS/RJB	3	B3-9	B3-9 (0-1')	NO	NA	1	1 foot of no recovery.
				B3-9 (1-2')	NO	NA		
				B3-9 (2-3')	NO	NA		

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12/9/98	JJS/RJB	3	B3-10	B3-10 (0-1')	NO	NA	1	1 foot of no recovery.
				B3-10 (1-2')	NO	NA		
				B3-10 (2-3')	NO	NA		
12/9/98	JJS/RJB	3	B3-11	B3-11 (0-1')	NO	NA	1	1 foot of no recovery.
				B3-11 (1-2')	NO	NA		
				B3-11 (2-3')	NO	NA		
12/9/98	JJS/RJB	3	B3-12	B3-12 (0-1')	NO	NA	1	Boring log is inconsistent with the number of soil intervals inspected. 2 feet on no recovery.
				B3-12 (1-2')	NO	NA		
12/14/98	JJS/RJB/DJB	3	B3-12 REDO	B3-12 (0-1')	NO	NA	2	Composite to 6'. 1 foot of no recovery.
				B3-12 (1-2')	NO	NA		
				B3-12 (2-3')	NO	NA		
12/9/98	JJS/RJB	3	B3-13	B3-13 (0-1')	NO	NA	1	No boring log was generated for this sampling location. 2 feet of no recovery.
				B3-13 (1-2')	NO	NA		
12/14/98	JJS/RJB/DJB	3	B3-13 REDO	B3-13 (0-1')	NO	NA	2	Composite to 5'. Full recovery. A soil sample at interval (2-3') was not submitted for bulk asbestos analysis.
				B3-13 (1-2')	NO	NA		
				B3-13 (2-3')	NO	NA		
12/9/98	JJS/RJB	3	B3-14	B3-14 (0-1')	NO	NA	1	2 feet of no recovery.
				B3-14 (1-2')	NO	NA		
12/14/98	JJS/RJB/DJB	3	B3-14 REDO	B3-14 (0-1')	NO	NA	1	Composite to 6'. 1 foot of no recovery.
				B3-14 (1-2')	NO	NA		
				B3-14 (2-3')	NO	NA		
12/9/98	JJS/RJB	3	B3-15	B3-15 (0-1')	NO	NA	1	2 feet of no recovery.
				B3-15 (1-2')	NO	NA		
12/14/98	JJS/RJB/DJB	3	B3-15 REDO	B3-15 (0-1')	NO	NA	2	Composite to 6'. Full recovery.
				B3-15 (1-2')	NO	NA		
				B3-15 (2-3')	NO	NA		
12/9/98	JJS/RJB	3	B3-16	B3-16 (0-1')	YES	<1/4"X1/4" insulation; 4 pieces	1	The majority of the (1-2') soil interval contained ACM. No baggie for the (1-2') soil interval was archived. 1 foot of no recovery.
				B3-16 (1-2')	YES	1"X1" raw material; multiple pieces		
				B3-16 (2-3')	YES	1"X1" raw material; multiple pieces		

Subsurface Characterization Data Sheet - Site 3
Johns Manville Manufacturing Facility - Waukegan, Illinois
ELM Consulting Project Number - 98000701

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DATE	PERSONNEL	SITE 2 OR SITE 3	BORING ID NUMBER	1 FOOT INTERVAL ID NUMBER	WAS ACM OBSERVED	TYPE OF ACM OBSERVED	COOLER	COMMENTS
12/9/98	JJS/RJB	3	B3-17	B3-17 (0-1')	NO	NA	1	2 feet of no recovery.
				B3-17 (1-2')	NO	NA		
12/14/98	JJS/RJB/DJB	3	B3-17 REDO	B3-17 (0-1')	NO	NA	2	Composite to 6'. Full recovery.
				B3-17 (1-2')	NO	NA		
				B3-17 (2-3')	NO	NA		
12/9/98	JJS/RJB	3	B3-18	B3-18 (0-1')	NO	NA	1	1 foot of no recovery.
				B3-18 (1-2')	NO	NA		
				B3-18 (2-3')	NO	NA		
12/9/98	JJS/RJB	3	B3-19	B3-19 (0-1')	NO	NA	1	1 foot of no recovery.
				B3-19 (1-2')	NO	NA		
				B3-19 (2-3')	NO	NA		
12/9/98	JJS/RJB	3	B3-20	B3-20 (0-1')	NO	NA	1	1 foot of no recovery.
				B3-20 (1-2')	NO	NA		
				B3-20 (2-3')	NO	NA		
12/9/98	JJS/RJB	3	B3-21	B3-21 (0-1')	NO	NA	1	1 foot of no recovery.
				B3-21 (1-2')	NO	NA		
				B3-21 (2-3')	NO	NA		
12/9/98	JJS/RJB	3	B3-22	B3-22 (0-1')	YES	1/2"X1/2" transite; 8 pieces	1	1 foot of no recovery.
				B3-22 (1-2')	NO	NA		
				B3-22 (2-3')	NO	NA		
12/9/98	JJS/RJB	3	B3-23	B3-23 (0-1')	NO	NA	1	1 foot of no recovery.
				B3-23 (1-2')	NO	NA		
				B3-23 (2-3')	NO	NA		
12/9/98	JJS/RJB	3	B3-24	B3-24 (0-1')	NO	NA	1	2 feet of no recovery.
				B3-24 (1-2')	NO	NA		
12/14/98	JJS/RJB/DJB	3	B3-24 REDO	B3-24 (0-1')	NO	NA	2	Full recovery. (0-1') was not submitted for bulk asbestos analysis.
				B3-24 (1-2')	NO	NA		
				B3-24 (2-3')	NO	NA		
12/9/98	JJS/RJB	3	B3-25	B3-25 (0-1')	NO	NA	2	2 feet of no recovery.
				B3-25 (1-2')	YES	1/2"X1/2" raw material; multiple pieces		

Subsurface Characterization Data Sheet - Site 3
Johns Manville Manufacturing Facility - Waukegan, Illinois
ELM Consulting Project Number - 98000701

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DATE	PERSONNEL	SITE 2 OR SITE 3	BORING ID NUMBER	1 FOOT INTERVAL ID NUMBER	WAS ACM OBSERVED	TYPE OF ACM OBSERVED	COOLER	COMMENTS
12/14/98	JJS/RJB/DJB	3	B3-25 REDO	B3-25 (0-1')	NO	NA	2	Composite to 6'. 1 foot of no recovery.
				B3-25 (1-2')	NO	NA		
				B3-25 (2-3')	NO	NA		
12/9/98	JJS/RJB	3	B3-26	B3-26 (0-1')	NO	NA	2	1 foot of no recovery.
				B3-26 (1-2')	NO	NA		
				B3-26 (2-3')	NO	NA		
12/9/98	JJS/RJB	3	B3-27	B3-27 (0-1')	NO	NA	2	1 foot of no recovery.
				B3-27 (1-2')	NO	NA		
				B3-27 (2-3')	NO	NA		
12/9/98	JJS/RJB	3	B3-28	B3-28 (0-1')	NO	NA	2	1 foot of no recovery.
				B3-28 (1-2')	NO	NA		
				B3-28 (2-3')	NO	NA		
12/9/98	JJS/RJB	3	B3-29	B3-29 (0-1')	NO	NA	2	2 feet of no recovery.
				B3-29 (1-2')	NO	NA		
12/14/98	JJS/RJB/DJB	3	B3-29 REDO	B3-29 (0-1')	NO	NA	2	Composite to 6'. 1 foot of no recovery. A soil sample at interval (2-3') was not submitted for bulk asbestos analysis.
				B3-29 (1-2')	NO	NA		
				B3-29 (2-3')	NO	NA		
12/9/98	JJS/RJB	3	B3-30	B3-30 (0-1')	NO	NA	2	1 foot of no recovery.
				B3-30 (1-2')	NO	NA		
				B3-30 (2-3')	NO	NA		
12/9/98	JJS/RJB	3	B3-31	B3-31 (0-1')	NO	NA	2	1 foot of no recovery.
				B3-31 (1-2')	NO	NA		
				B3-31 (2-3')	NO	NA		
12/9/98	JJS/RJB	3	B3-32	B3-32 (0-1')	NO	NA	2	1 foot of no recovery.
				B3-32 (1-2')	NO	NA		
				B3-32 (2-3')	NO	NA		
12/9/98	JJS/RJB	3	B3-33	B3-33 (0-1')	NO	NA	2	2 feet of no recovery.
				B3-33 (1-2')	NO	NA		
12/14/98	JJS/RJB/DJB	3	B3-33 REDO	B3-33 (0-1')	NO	NA	2	Composite to 6'. Full recovery.
				B3-33 (1-2')	NO	NA		
				B3-33 (2-3')	NO	NA		

Subsurface Characterization Data Sheet - Site 3
Johns Manville Manufacturing Facility - Waukegan, Illinois
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DATE	PERSONNEL	SITE 2 OR SITE 3	BORING ID NUMBER	1 FOOT INTERVAL ID NUMBER	WAS ACM OBSERVED	TYPE OF ACM OBSERVED	COOLER	COMMENTS
12/9/98	JJS/RJB	3	B3-34	B3-34 (0-1')	NO	NA	2	1 foot of no recovery.
				B3-34 (1-2')	NO	NA		
				B3-34 (2-3')	NO	NA		
12/9/98	JJS/RJB	3	B3-35	B3-35 (0-1')	NO	NA	2	Full recovery.
				B3-35 (1-2')	NO	NA		
				B3-35 (2-3')	NO	NA		
12/9/98	JJS/RJB	3	B3-36	B3-36 (0-1')	NO	NA	2	1 foot of no recovery.
				B3-36 (1-2')	NO	NA		
				B3-36 (2-3')	NO	NA		
12/9/98	JJS/RJB	3	B3-37	B3-37 (0-1')	NO	NA	2	Full recovery.
				B3-37 (1-2')	NO	NA		
				B3-37 (2-3')	NO	NA		
12/9/98	JJS/RJB	3	B3-38	B3-38 (0-1')	YES	1/4"X1/4" transite; 2 pieces	2	1 foot of no recovery.
				B3-38 (1-2')	YES	1/4"X1/4" transite; one piece		
				B3-38 (2-3')	NO	NA		
12/9/98	JJS/RJB	3	B3-39	B3-39 (0-1')	NO	NA	2	1 foot of no recovery.
				B3-39 (1-2')	NO	NA		
				B3-39 (2-3')	NO	NA		
12/9/98	JJS/RJB	3	B3-40	B3-40 (0-1')	NO	NA	3	1 foot of no recovery.
				B3-40 (1-2')	NO	NA		
				B3-40 (2-3')	NO	NA		
12/9/98	JJS/RJB	3	B3-42	B3-42 (0-1')	NO	NA	3	1 foot of no recovery.
				B3-42 (1-2')	NO	NA		
				B3-42 (2-3')	NO	NA		
12/9/98	JJS/RJB	3	B3-43	B3-43 (0-1')	NO	NA	3	1 foot of no recovery.
				B3-43 (1-2')	NO	NA		
				B3-43 (2-3')	NO	NA		

Subsurface Characterization Data Sheet - Site 3
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DATE	PERSONNEL	SITE 2 OR SITE 3	BORING ID NUMBER	1 FOOT INTERVAL ID NUMBER	WAS ACM OBSERVED	TYPE OF ACM OBSERVED	COOLER	COMMENTS
12/9/98	JJS/RJB	3	B3-44	B3-44 (0-1')	NO	NA	3	Full recovery.
				B3-44 (1-2')	NO	NA		
				B3-44 (2-3')	NO	NA		
12/9/98	JJS/RJB	3	B3-45	B3-45 (0-1')	NO	NA	3	1 foot of no recovery.
				B3-45 (1-2')	NO	NA		
				B3-45 (2-3')	YES	1/2"X1/2" insulation; 2 pieces		
12/9/98	JJS/RJB	3	B3-46	B3-46 (0-1')	NO	NA	3	1 foot of no recovery.
				B3-46 (1-2')	NO	NA		
				B3-46 (2-3')	YES	1/2"X1/2" raw material; multiple pieces		
12/9/98	JJS/RJB	3	B3-47	B3-47 (0-1')	NO	NA	3	1 foot of no recovery.
				B3-47 (1-2')	NO	NA		
				B3-47 (2-3')	NO	NA		
12/9/98	JJS/RJB	3	B3-48	B3-48 (0-1')	NO	NA	3	1 foot of no recovery.
				B3-48 (1-2')	NO	NA		
				B3-48 (2-3')	NO	NA		
12/9/98	JJS/RJB	3	B3-50	B3-50 (0-1')	NO	NA	3	2 feet of no recovery.
				B3-50 (1-2')	YES	1/2"X1/2" raw material; multiple pieces		
12/14/98	JJS/RJB/DJB	3	B3-50 REDO	B3-50 (0-1')	NO	NA	3	Composite to 6'. 1 foot of no recovery.
				B3-50 (1-2')	NO	NA		
				B3-50 (2-3')	YES	1/2"X1/2" raw material; 2 pieces		

DESCRIPTIONS:

NA = Not Applicable

REDO = Represents a location that was re-penetrated because the first four-foot sampling core yielded two feet of recovery or less.

COOLER = The "COOLER" column represents the cooler which a given one-foot soil interval was placed for storage purposes.

Composite to 5' = The GeoProbe sampling apparatus penetrated to five feet with a four-foot sampling core to obtain at least a three-foot soil sample.

Composite to 6' = The GeoProbe sampling apparatus penetrated to six feet with a four-foot sampling core to obtain at least a three-foot soil sample.

A SHADED ROW represents a proposed boring location that was not penetrated to obtain a soil sample.

Subsurface Characterization Bulk Asbestos Analyses Data - Site 2
Johns Manville Manufacturing Facility - Waukegan, Illinois
ELM Consulting Project Number - 98000701

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BORING ID NUMBER	1 FOOT INTERVAL ID NUMBER	RESULT
B2-03	0-1'	ND
B2-03	1-2'	ND
B2-03	2-3'	ND
B2-04 REDO	0-1'	ND
B2-04 REDO	1-2'	ND
B2-04 REDO	2-3'	ND
B2-14	0-1'	ND
B2-14	1-2'	0.5 % Chrysotile
B2-14	2-3'	ND
B2-16	0-1'	ND
B2-16	1-2'	ND
B2-16	2-3'	ND
B2-19	0-1'	ND
B2-19	1-2'	ND
B2-19	2-3'	ND
B2-27	0-1'	0.1 % Chrysotile 0.4 % Amosite
B2-27	1-2'	ND
B2-27	*2-3'	ND
B2-30	0-1'	ND
B2-30	1-2'	ND
B2-30	2-3'	ND
B2-31	0-1'	ND
B2-31	1-2'	ND
B2-31	2-3'	ND
B2-33	0-1'	ND
B2-33	1-2'	ND
B2-33	2-3'	ND
B2-34	0-1'	ND
B2-34	1-2'	ND
B2-34	2-3'	ND
B2-35	0-1'	ND
B2-35	1-2'	ND
B2-35	2-3'	1.0 % Chrysotile 0.5 % Amosite
B2-36	0-1'	ND
B2-36	1-2'	ND
B2-36	2-3'	ND
B2-37	0-1'	ND
B2-37	1-2'	ND
B2-37	2-3'	ND
B2-38	0-1'	ND
B2-38	1-2'	ND
B2-38	2-3'	ND
B2-40	0-1'	ND
B2-40	1-2'	ND
B2-40	2-3'	ND
B2-41	0-1'	ND
B2-41	1-2'	ND
B2-41	2-3'	ND

**Subsurface Characterization Bulk Asbestos Analyses Data - Site 2
Johns Manville Manufacturing Facility - Waukegan, Illinois
ELM Consulting Project Number - 98000701**

DRAFT

BORING ID NUMBER	1 FOOT INTERVAL ID NUMBER	RESULT
B2-42	0-1'	ND
B2-42	1-2'	0.1 % Chrysotile 0.1 % Amosite
B2-42	2-3'	1.0 % Chrysotile
B2-43	0-1'	ND
B2-43	1-2'	ND
B2-46	0-1'	ND
B2-46	1-2'	0.6 % Chrysotile 0.1 % Crocidolite
B2-46	2-3'	ND
B2-47 REDO	0-1'	0.1 % Chrysotile 0.1 % Amosite
B2-47 REDO	1-2'	ND
B2-47 REDO	2-3'	0.2 % Amosite
B2-49	0-1'	ND
B2-49	1-2'	ND
B2-49	2-3'	ND
B2-50	0-1'	ND
B2-50	1-2'	0.1 % Chrysotile
B2-50	2-3'	0.5 % Chrysotile
B2-52	0-1'	ND
B2-52	1-2'	ND
B2-52	2-3'	ND
B2-52 REDO	0-1'	ND
B2-52 REDO	1-2'	ND
B2-52 REDO	2-3'	ND
B2-54	0-1'	ND
B2-54	1-2'	ND
B2-54 REDO	0-1'	ND
B2-54 REDO	1-2'	0.2 % Chrysotile
B2-54 REDO	2-3'	0.5 % Chrysotile 0.1 % Amosite
B2-56	0-1'	ND
B2-56	1-2'	ND
B2-59	0-1'	ND
B2-59	1-2'	ND
B2-61	0-1'	ND
B2-61	1-2'	ND
B2-61	2-3'	ND
B2-62	0-1'	ND
B2-62	1-2'	ND
B2-62	2-3'	ND
B2-63	0-1'	ND
B2-63	1-2'	ND
B2-63	2-3'	ND
B2-64	0-1'	ND
B2-64	1-2'	ND
B2-64	2-3'	ND
B2-69	0-1'	ND
B2-69	1-2'	ND

Subsurface Characterization Bulk Asbestos Analyses Data - Site 2
Johns Manville Manufacturing Facility - Waukegan, Illinois
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BORING ID NUMBER	1 FOOT INTERVAL ID NUMBER	RESULT
B2-69 REDO	0-1'	ND
B2-69 REDO	1-2'	ND
B2-69 REDO	2-3'	ND
B2-70	0-1'	ND
B2-70	1-2'	ND
B2-70	2-3'	ND
B2-71	0-1'	ND
B2-71	1-2'	ND
B2-71	2-3'	ND
B2-72	0-1'	ND
B2-72	1-2'	0.2 % Chrysotile
B2-72	2-3'	ND
B2-75	0-1'	0.1 % Chrysotile
B2-75	1-2'	ND
B2-75	2-3'	ND
*B2-76	1-2'	ND
*B2-76	2-3'	ND
B2-77	0-1'	ND
B2-77	1-2'	ND
B2-77	2-3'	ND
B2-78	0-1'	ND
B2-78	1-2'	ND
B2-78	2-3'	ND
B2-79	0-1'	ND
B2-79	1-2'	ND
B2-79	2-3'	ND
B2-80	0-1'	ND
B2-80	1-2'	ND
B2-80	2-3'	ND
B2-81	0-1'	ND
B2-81	1-2'	ND
B2-81	2-3'	ND
AB2-01	1-2'	0.5 % Chrysotile 1.0 % Amosite
AB2-01 REDO	2-3'	5.0 % Chrysotile 2.0 % Amosite
AB2-02	0-1'	5.0 % Chrysotile
AB2-04	1-2'	ND
AB2-05	1-2'	0.5 % Chrysotile
AB2-05	2-3'	0.1 % Chrysotile
AB2-06	1-2'	0.5 % Chrysotile 0.5 % Crocidolite
AB2-06	2-3'	0.5 % Chrysotile
AB2-07	1-2'	0.5 % Chrysotile
AB2-08	2-3'	1.0 % Chrysotile
AB2-09	0-1'	20-30 % Chrysotile
AB2-10	1-2'	1.0 % Chrysotile
AB2-10	2-3'	1.0 % Chrysotile
AB2-11	2-3'	2.0 % Chrysotile

**Subsurface Characterization Bulk Asbestos Analyses Data - Site 2
Johns Manville Manufacturing Facility - Waukegan, Illinois
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BORING ID NUMBER	1 FOOT INTERVAL ID NUMBER	RESULT
AB2-12	1-2'	1.0 % Chrysotile 0.5 % Amosite
AB2-12	2-3'	3.0 % Chrysotile
AB2-13	1-2'	2.0 % Chrysotile
AB2-13	2-3'	5.0 % Chrysotile
AB2-15	1-2'	5.0 % Chrysotile
AB2-17	2-3'	1.0 % Chrysotile
AB2-18	2-3'	1.0 % Chrysotile 1.0 % Crocidolite
B2-21	2-3'	<1 % Chrysotile <1 % Amosite <1% Crocidolite
AB2-22	1-2'	1.0 % Chrysotile 1.0 % Crocidolite
AB2-22	2-3'	1.0 % Amosite
B2-23	1-2'	10-15 % Chrysotile 1-2 % Crocidolite
AB2-25	1-2'	0.5 % Chrysotile 1.0 % Amosite 1.0 % Crocidolite
AB2-25	2-3'	20.0 % Chrysotile
AB2-26	2-3'	10.0 % Chrysotile
AB2-27	2-3'	0.1 % Chrysotile
AB2-29	2-3'	0.5 % Chrysotile 0.1 % Amosite
AB2-45	2-3'	2.0 % Amosite
B2-47	1-2'	1-5 % Chrysotile 1-5 % Crocidolite
AB2-51	1-2'	5.0 % Chrysotile 0.1 % Crocidolite
AB2-53	0-1'	1.0 % Chrysotile 0.1 % Crocidolite
AB2-54 REDO REDO	0-1'	15-25 % Chrysotile
AB2-54 REDO REDO	1-2'	15-25 % Chrysotile

"B2" - Boring ID Numbers that begin with a "B" represent intervals that were submitted for bulk asbestos analysis where no visible ACM was observed at any interval of the four-foot sample core.

"AB2" - Boring ID Numbers that begin with a "AB" represent intervals that were submitted for bulk asbestos analysis where visible ACM was observed within that one-foot interval.

*** - B2-27 (2-3') contained visible ACM. Therefore, B2-27 (0-1'), (1-2') and (2-3') should not have been submitted for bulk asbestos analysis.

*** - B2-76 - a (0-1') interval should have been submitted along with (1-2') and (2-3') and was not.

**Subsurface Characterization Bulk Asbestos Analyses Data - Site 3
Johns Manville Manufacturing Facility - Waukegan, Illinois
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BORING ID NUMBER	1 FOOT INTERVAL ID NUMBER	RESULT
B3-01	0-1'	ND
B3-01	1-2'	ND
B3-01 REDO	0-1'	ND
B3-01 REDO	1-2'	ND
B3-01 REDO	2-3'	ND
B3-02	0-1'	ND
B3-02	1-2'	ND
B3-02	2-3'	0.5 % Chrysotile
B3-03	0-1'	ND
B3-03	1-2'	1.0 % Chrysotile
B3-03	2-3'	ND
B3-04	0-1'	ND
B3-04	1-2'	ND
B3-04 REDO	0-1'	ND
B3-04 REDO	1-2'	0.2 % Chrysotile
B3-04 REDO	2-3'	ND
B3-05	0-1'	ND
B3-05	1-2'	ND
B3-05	2-3'	ND
B3-06	0-1'	ND
B3-06	1-2'	ND
B3-06	2-3'	ND
B3-07	0-1'	ND
B3-07	1-2'	ND
B3-07	2-3'	ND
B3-08	0-1'	ND
B3-08	1-2'	ND
B3-08	2-3'	ND
B3-09	0-1'	ND
B3-09	1-2'	ND
B3-09	2-3'	ND
B3-10	0-1'	ND
B3-10	1-2'	ND
B3-10	2-3'	ND
B3-11	0-1'	ND
B3-11	1-2'	ND
B3-11	2-3'	ND
B3-12	0-1'	ND
B3-12	1-2'	ND
B3-12 REDO	0-1'	0.5 % Chrysotile 0.1 % Amosite
B3-12 REDO	1-2'	ND
B3-12 REDO	2-3'	ND
B3-13	0-1'	ND
B3-13	1-2'	ND
B3-13 REDO	0-1'	ND
B3-13 REDO	1-2'	ND
B3-14	0-1'	1.0 % Amosite
B3-14	1-2'	ND
B3-14 REDO	0-1'	ND
B3-14 REDO	1-2'	ND
B3-14 REDO	2-3'	ND

Subsurface Characterization Bulk Asbestos Analyses Data - Site 3
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BORING ID NUMBER	1 FOOT INTERVAL ID NUMBER	RESULT
B3-15	0-1'	1.0 % Chrysotile 0.2 % Crocidolite
B3-15	1-2'	ND
B3-15 REDO	0-1'	ND
B3-15 REDO	1-2'	ND
B3-15 REDO	2-3'	ND
B3-17	0-1'	ND
B3-17	1-2'	ND
B3-17 REDO	0-1'	ND
B3-17 REDO	1-2'	ND
B3-17 REDO	2-3'	ND
B3-18	0-1'	ND
B3-18	1-2'	ND
B3-18	2-3'	ND
B3-19	0-1'	ND
B3-19	1-2'	ND
B3-19	2-3'	ND
B3-20	0-1'	ND
B3-20	1-2'	ND
B3-20	2-3'	ND
B3-21	0-1'	ND
B3-21	1-2'	ND
B3-21	2-3'	ND
B3-23	0-1'	ND
B3-23	1-2'	ND
B3-23	2-3'	ND
B3-24	0-1'	ND
B3-24	1-2'	ND
B3-24 REDO	1-2'	ND
B3-24 REDO	2-3'	ND
B3-25 REDO	0-1'	ND
B3-25 REDO	1-2'	0.5 % Chrysotile
B3-25 REDO	2-3'	ND
B3-26	0-1'	ND
B3-26	1-2'	ND
B3-26	2-3'	ND
B3-27	0-1'	ND
B3-27	1-2'	ND
B3-27	2-3'	ND
B3-28	0-1'	ND
B3-28	1-2'	ND
B3-28	2-3'	ND
B3-29	0-1'	ND
B3-29	1-2'	ND
B3-29 REDO	0-1'	ND
B3-29 REDO	1-2'	ND
B3-30	0-1'	ND
B3-30	1-2'	ND
B3-30	2-3'	ND

**Subsurface Characterization Bulk Asbestos Analyses Data - Site 3
Johns Manville Manufacturing Facility - Waukegan, Illinois
ELM Consulting Project Number - 98000701**

DRAFT

BORING ID NUMBER	1 FOOT INTERVAL ID NUMBER	RESULT
B3-31	0-1'	ND
B3-31	1-2'	ND
B3-31	2-3'	ND
B3-32	0-1'	ND
B3-32	1-2'	ND
B3-32	2-3'	ND
B3-33	0-1'	ND
B3-33	1-2'	0.5 % Chrysotile
B3-33 REDO	0-1'	ND
B3-33 REDO	1-2'	0.1 % Amosite
B3-33 REDO	2-3'	0.9 % Chrysotile
B3-34	0-1'	ND
B3-34	1-2'	ND
B3-34	2-3'	ND
B3-35	0-1'	ND
B3-35	1-2'	ND
B3-35	2-3'	ND
B3-36	0-1'	ND
B3-36	1-2'	ND
B3-36	2-3'	ND
B3-37	0-1'	ND
B3-37	1-2'	ND
B3-37	2-3'	ND
B3-39	0-1'	ND
B3-39	1-2'	ND
B3-39	2-3'	ND
B3-40	0-1'	ND
B3-40	1-2'	ND
B3-40	2-3'	0.5 % Chrysotile
B3-42	0-1'	ND
B3-42	1-2'	ND
B3-42	2-3'	ND
B3-43	0-1'	ND
B3-43	1-2'	ND
B3-43	2-3'	ND
B3-44	0-1'	ND
B3-44	1-2'	ND
B3-44	2-3'	ND
B3-47	0-1'	ND
B3-47	1-2'	ND
B3-47	2-3'	ND
B3-48	0-1'	0.5 % Chrysotile
B3-48	1-2'	ND
B3-48	2-3'	ND
AB3-16	0-1'	2.0 % Chrysotile
AB3-16	1-2'	1.0 % Chrysotile
AB3-16	2-3'	0.3 % Chrysotile
AB3-22	0-1'	1.0 % Chrysotile 0.5 % Crocidolite
AB3-25	1-2'	1.0 % Chrysotile

Subsurface Characterization Bulk Asbestos Analyses Data - Site 3
Johns Manville Manufacturing Facility - Waukegan, Illinois
ELM Consulting Project Number - 98000701

DRAFT

BORING ID NUMBER	1 FOOT INTERVAL ID NUMBER	RESULT
AB3-38	0-1'	2.0% Amosite 1.0% Crocidolite
AB3-38	1-2'	10.0% Chrysotile 10.0% Crocidolite
AB3-45	2-3'	2.0 % Chrysotile
AB3-46	2-3'	1.5 % Chrysotile
AB3-50	1-2'	5.0 % Chrysotile
AB3-50 REDO	2-3'	2.0 % Chrysotile

"B3" - Boring ID Numbers that begin with a "B" represent intervals that were submitted for bulk asbestos analysis where no visible ACM was observed at any interval of the four-foot sample core.

"AB3" - Boring ID Numbers that begin with a "AB" represent intervals that were submitted for bulk asbestos analysis where visible ACM was observed within that one-foot interval.

RECRA LABNET - CHICAGO

INORGANICS DATA SUMMARY REPORT 12/28/98

CLIENT: ELM Consult-J Manville
WORK ORDER: 00000-000-000-0000-00-000

RECRA LOT #: 9812G498

<u>SAMPLE</u>	<u>SITE ID</u>	<u>ANALYTE</u>	<u>RESULT</u>	<u>UNITS</u>	<u>REPORTING LIMIT</u>
-001	B2-22a	Lead, Total	11.1	MG/KG	4.2
-002	B2-23a	Lead, Total	98.1	MG/KG	4.8
-003	B2-25a	Lead, Total	20.3	MG/KG	4.4
-004	B2-26a	Lead, Total	56.2	MG/KG	4.6
-005	B2-27a	Lead, Total	55.8	MG/KG	5.0
-006	B2-30a	Lead, Total	36.0	MG/KG	4.9
-007	B2-31a	Lead, Total	14.1	MG/KG	4.6
-008	B2-33a	Lead, Total	11.5	MG/KG	4.3
-009	B2-37a	Lead, Total	16.8	MG/KG	4.3
-010	B2-38a	Lead, Total	14.1	MG/KG	4.7
-011	B2-41a	Lead, Total	11.0	MG/KG	4.0
-012	B2-45a	Lead, Total	14.2	MG/KG	8.8
-013	B2-53a	Lead, Total	29.2	MG/KG	4.3

RECRA LABNET - CHICAGO

INORGANICS DATA SUMMARY REPORT 12/28/98

CLIENT: ELM Consult-J Manville
WORK ORDER: 00000-000-000-0000-00-000

RECRA LOT #: 9812G513

<u>SAMPL F</u>	<u>SITE ID</u>	<u>ANALYTE</u>	<u>RESULT</u>	<u>UNITS</u>	<u>REPORTING LIMIT</u>
-001	B2-56A	Lead, Total	4.5 u	MG/KG	4.5
-002	B2-61A	Lead, Total	4.2 u	MG/KG	4.2
-003	B2-59A	Lead, Total	5.3	MG/KG	4.0
-004	B2-62A	Lead, Total	4.3 u	MG/KG	4.3
-005	B2-63A	Lead, Total	4.3 u	MG/KG	4.3
-006	B2-64A	Lead, Total	4.4 u	MG/KG	4.4
-007	B2-69A	Lead, Total	4.0 u	MG/KG	4.0
-008	B2-69A redo	Lead, Total	4.6 u	MG/KG	4.6
-009	B2-70A	Lead, Total	3.9 u	MG/KG	3.9
-010	B2-71A	Lead, Total	4.9 u	MG/KG	4.9
-011	B2-72A	Lead, Total	4.7 u	MG/KG	4.7
-012	B2-75A	Lead, Total	25.1	MG/KG	4.1
-013	B2-76A	Lead, Total	16.4	MG/KG	4.7
-014	B2-77A	Lead, Total	44.0	MG/KG	8.7
-015	B2-78A	Lead, Total	4.6 u	MG/KG	4.6
-016	B2-79A	Lead, Total	4.4 u	MG/KG	4.4
-017	B2-80A	Lead, Total	8.2	MG/KG	4.6
-018	B2-81A	Lead, Total	62.5	MG/KG	4.9

RECRA LABNET - CHICAGO
INORGANICS DATA SUMMARY REPORT 12/29/98CLIENT: ELM Consult-J Manville
WORK ORDER: 00000-000-000-0000-00-000

RECRA LOT #: 9812G512

<u>SAMPLE</u>	<u>SITE ID</u>	<u>ANALYTE</u>	<u>RESULT</u>	<u>UNITS</u>	<u>REPORTING LIMIT</u>
-001	B2-1A redo	Lead, Total	140	MG/KG	4.6
-002	B2-4A redo	Lead, Total	8.7	MG/KG	4.5
-003	B2-29A Redo,	Lead, Total	18.2	MG/KG	4.5
-004	B2-34A	Lead, Total	22.2	MG/KG	8.4
-005	B2-35A	Lead, Total	17.8	MG/KG	4.6
-006	B2-36A	Lead, Total	38.5	MG/KG	5.0
-007	B2-40A	Lead, Total	43.1	MG/KG	4.6
-008	B2-42A	Lead, Total	133	MG/KG	4.7
-009	B2-43A	Lead, Total	11.4	MG/KG	8.2
-010	B2-46A	Lead, Total	15.6	MG/KG	4.2
-011	B2-47A	Lead, Total	35.9	MG/KG	5.0
-012	B2-47A redo	Lead, Total	55.4	MG/KG	4.8
-013	B2-49A	Lead, Total	18.1	MG/KG	4.8
-014	B2-50A	Lead, Total	26.0	MG/KG	4.8
-015	B2-51A	Lead, Total	33.4	MG/KG	4.5
-016	B2-52A	Lead, Total	4.1 u	MG/KG	4.1
-017	B2-52A redo	Lead, Total	4.1 u	MG/KG	4.1
-018	B2 54A	Lead, Total	4.3	MG/KG	4.2
-019	B2-54A redo	Lead, Total	20.2	MG/KG	4.2
-020	B2-54A redo II	Lead, Total	33.4	MG/KG	4.8

To: ELM Consult-J Manville

Date: Friday January 15th. 1999

18-2 East Dundee Road, Ste 100
Barrington, IL 60010

RC: B2-2a

Project # 00000-000-000 0000

Lab ID: 9901G734-002

Attn: Mr. Jeff Stringer

Sample Date: 12/09/98

Date Received: 12/14/98

TCLP Leachate Analysis Report

Parameters	Result	Units	Reporting Limit
Lead, TCLP	2.7	mg/L	0.050

To: ELM Consult-J Manville

Date: Friday January 15th, 1999

18-2 East Dundee Road, Ste 100
Barrington, IL 60010

RE: B2-16a

Project # 00000-000-000-0000

Lab ID: 9901G734-004

Attn: Mr. Jeff Stringer

Sample Date: 12/10/98

Date Received: 12/14/98

TCLP Leachate Analysis Report

Parameters	Result	Units	Reporting Limit
Lead, TCLP	0.078	mg/L	0.050